

**PHASE I
ENVIRONMENTAL SITE ASSESSMENT**

**East Kapolei Brownfield Sites
Kapolei, O'ahu, Hawai'i 96707
TMK (1) 9-1-17:71 (portion)**

**Latitude: 21° 21' 5.3" N
Longitude: 158° 3' 14.4" W**

Environet Project No.: 408-042

**Prepared by:
Environet, Inc.
650 Iwilei Road, Suite 204
Honolulu, Hawai'i 96817
(808) 833-2225**

**Prepared for:
Department of Hawaiian Home Lands
91-5420 Kapolei Parkway
Kapolei, Hawai'i 96707**

January 22, 2009

58806

A Report Prepared for:

Department of Hawaiian Home Lands
91-5420 Kapolei Parkway
Kapolei, Hawai'i 96707

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KAPOLEI, O'AHU, HAWAI'I 96707
TMK (1) 9-1-17:71 (PORTION)**

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We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared By:



Stephanie Davis
Project Manager

Environet, Inc.
650 Iwilei Road, Suite 204
Honolulu, Hawai'i 96817
(808) 833-2225

January 22, 2009

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1. Introduction

This document describes the

purpose and scope of the

project.

2. Objectives

The primary objective is to

develop a system that

allows users to

manage their data.

3. Scope

The scope of the project is

limited to the development

of the core system.

4. Conclusion

This document provides a

summary of the project.

5. Appendix

This section contains

additional information.

6. References

This section lists the

sources used in the

document.

7. Acknowledgments

This section acknowledges

the contributions of

the project team.

8. Contact Information

This section provides

contact details for the

project manager.

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Appendix B	EDR Database Search – December 17, 2008
Appendix C	Interview Documentation
Appendix D	Qualifications

List of Acronyms

AG-1	restricted agricultural district
AMEC	AMEC Earth & Environmental, Inc.
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
AULs	activity and use limitations
bgs	below ground surface
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CFR	Code of Federal Regulations
CI	chloride
CORRACTS	Corrective Action Site
DHHL	Department of Hawaiian Home Lands
DLNR	Department of Land and Natural Resources
DOH	State of Hawai'i Department of Health
EDR	Environmental Data Resources, Inc.
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
ETC	EnviroServices and Training Center, LLC
HEER	Hazard Evaluation and Emergency Response
LUST	leaking underground storage tank
mg/L	milligrams per liter
msl	mean sea level
NFA	no further action
NFRAP	no further response action planned
NPL	National Priority List
RCRA	Resource Conservation and Recovery Act
REC	recognized environmental condition
SHWS	State Hazardous Waste Site
TMK	tax map key
TSD	treatment, storage, and disposal
TTEMI	Tetra Tech EM Inc.
UIC	underground injection control
U.S.	United States
USDA	United States Department of Agriculture
USGS	United States Geological Survey
UST	underground storage tank

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Executive Summary

This report presents the results of Environet's Phase I Environmental Site Assessment (ESA) of East Kapolei Brownfield Sites located on the property identified as Tax Map Key (TMK) (1) 9-1-17:71 (portion) (hereinafter referred to as the Site), which is located in Kapolei, Hawai'i on the island of O'ahu. Our assessment and report has been performed in general accordance with the United States Environmental Protection Agency (EPA) "All Appropriate Inquiry" (40 Code of Federal Regulation (CFR) Part 312), as well as the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (ASTM Designation E 1527-05; ASTM, 2005).

Our assessment was conducted to evaluate existing conditions, investigate the environmental history, and identify the presence of recognized environmental conditions (RECs) within and around the Site. A REC is *the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property* (ASTM E 1527-05).

Our research consisted of a review of historical and regulatory records, present conditions, site geology and hydrogeology, and interviews with persons knowledgeable of the Site. Environet's research shows that the Site and the surrounding area have been used historically for sugarcane cultivation. Sugarcane cultivation on the Site ceased in 1994. The Site is approximately 380 acres and is zoned AG-1 (restricted agricultural district).

Environet interviewed Mr. Darrell Ing of the Department of Hawaiian Home Lands (DHHL), who is familiar with current conditions at the Site and Environet personnel conducted a reconnaissance of the Site on Monday, December 22, 2008. Based on responses from interview questions and the Site reconnaissance, the Site was historically used for sugarcane cultivation and is currently used for diversified agricultural operations. A portion of the Site is fallow land. In addition, a former pesticide mixing and loading facility is located on the northern portion of the Site.

This assessment has revealed evidence of RECs in connection with the Site. The RECs are described in detail in the body of the report and summarized below.

Current RECs

- The Site is listed as a United States (U.S.) Brownfields under the following three separate property listings:
 - East Kapolei Pesticide Mixing and Loading;
 - East Kapolei Property; and
 - DHHL – East Kapolei Affordable Housing.

- Results of several previous investigations conducted at the former pesticide mixing and loading facility, located on the northern portion of the Site, indicate that pesticide related contaminants are present in surface and near surface soil in the vicinity of the former pesticide mixing and loading facility at levels that pose current and future exposure risks to Site receptors. This area is currently contained within a locked fence and cleanup/remediation of the pesticide mixing and loading facility will be required before residential development can proceed.
- Portions of the Site are currently used for diversified agricultural. The storage and use of agricultural chemicals (fertilizers, pesticides, and herbicides) associated with agricultural operations indicates a material threat of a release of a hazardous substance that could impact the Site.
- Storage containers of various capacities were observed in brush along Mango Tree Road towards the southwest corner of the Site. It is unknown if these containers were used to store hazardous chemicals and if hazardous materials may have leaked from these containers. This indicates a material threat of a release of a hazardous substance that could impact the Site.

Other Items of Environmental Concern

Structures associated with the former pesticide mixing and loading facility were constructed prior to 1978 (Section 2.3), therefore some of the building materials may contain asbestos (wallboard, vinyl floor tiles, *etc.*) or have been painted with lead based paint. This Phase I ESA did not make a detailed assessment of asbestos or lead based paint at the Site; a focused assessment of these items should be performed if the structures older than 1978 are to be remodeled or demolished.

Data Gaps

- During the Site reconnaissance Environet was unable to inspect the former pesticide mixing and loading facility. This represents a data gap for the Site; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- During the Site reconnaissance Environet was unable to inspect the *Abutilon menziesii* contingency reserve area. This was due to the fact that it is contained inside a locked fence. This represents a data gap; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- Environet was unsuccessful in its attempt to conduct interviews with current and historical Site personnel; however, this data gap does not appear to impact our ability to identify RECs at the Site because adequate current and historical Site information was provided in previous reports and by the DHHL. It is Environet's opinion that this does not represent a significant data gap.

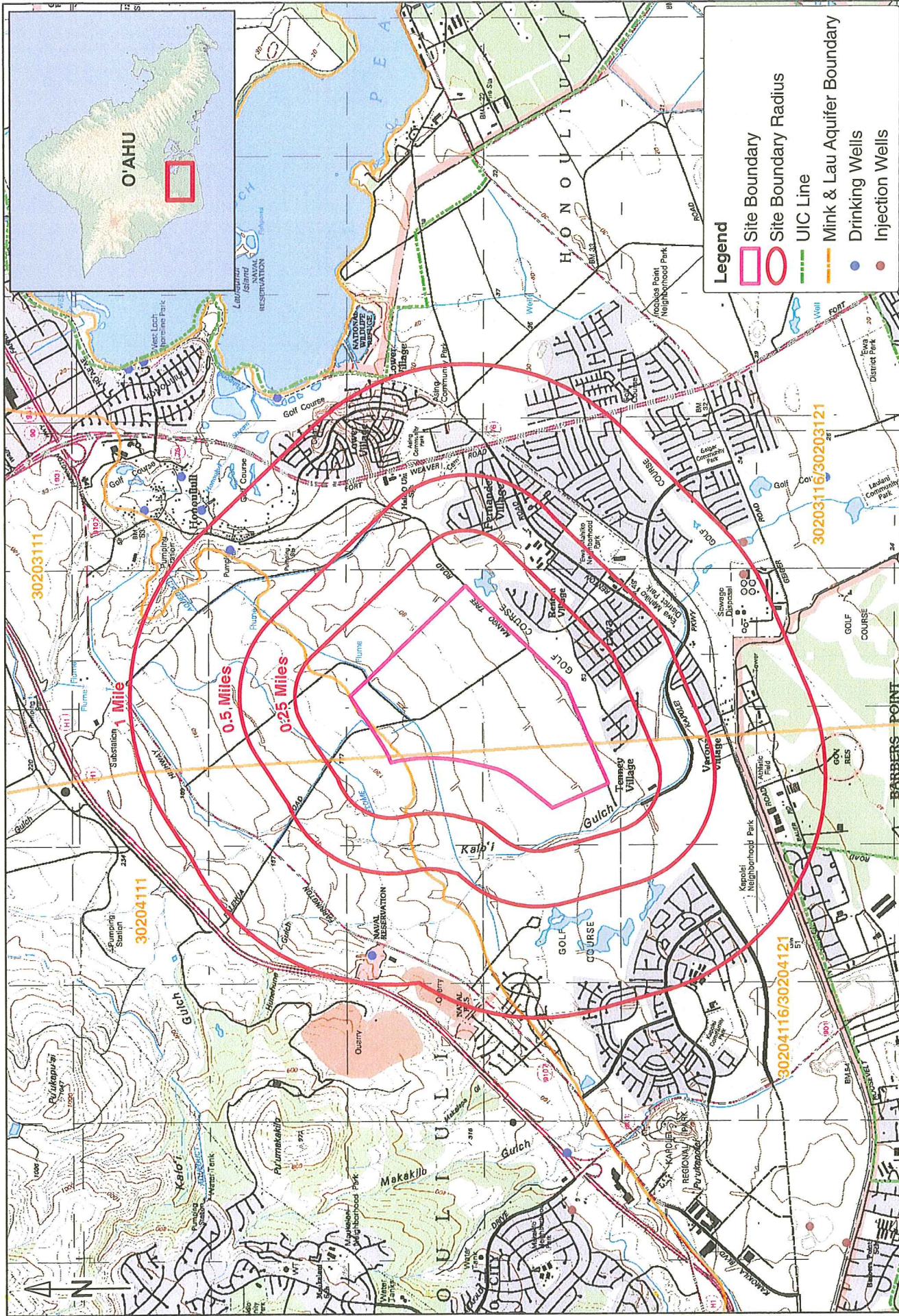
Section 1 Introduction

This report presents the results of Environet's Phase I ESA of East Kapolei Brownfield Sites, a property located in East Kapolei on the island of O'ahu. The property is denoted by TMK: (1) 9-1-17:71 (portion) (Figure 1-1; Appendix A: Photos 1 through 12).

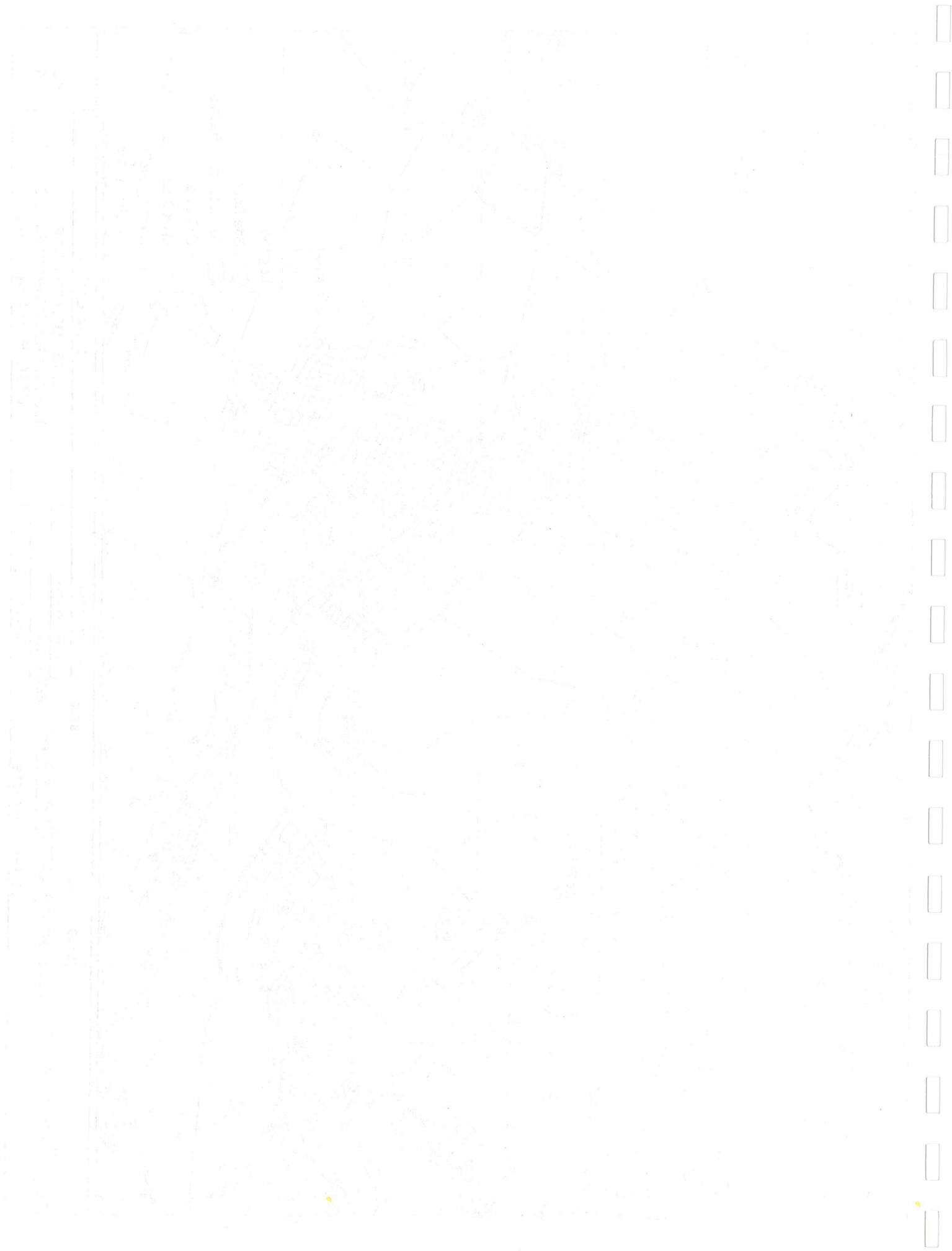
The purpose of this assessment was to evaluate, on the basis of readily available information, the presence of RECs at and surrounding the Site. Environet's assessment of the Site has been performed by qualified environmental professionals as defined by, and in general accordance with the EPA "All Appropriate Inquiry" (40 CFR Part 312), as well as the ASTM E 1527-05; which defines a REC as *the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property* (ASTM E 1527-05). The scope of work for this ESA includes the following six elements:

1. REVIEW OF SITE GEOLOGY AND HYDROGEOLOGY - Includes a review of pertinent, available documents and maps regarding local geology and hydrogeology.
2. REVIEW OF REGULATORY RECORDS - Includes a review of publicly available federal, state, and local databases of known or potential hazardous waste sites, landfills, and sites currently under investigation for environmental violations within the ASTM recommended search distance of the Site.
3. REVIEW OF SITE HISTORY - Includes a review and interpretation of available historical sources, such as Sanborn Fire Insurance maps, archival topographic maps, and aerial photographs. Maps and photographs of the area surrounding the Site were examined to obtain information regarding historical land use that may or could have involved the manufacture, generation, use, storage and/or disposal of hazardous substances. This review also includes the gathering of information regarding past and/or current Site development and/or land use provided by the City and County of Honolulu Building Permits and Land Use Department.
4. SITE RECONNAISSANCE - Includes performing a reconnaissance of the Site and adjoining areas to make visual observations of existing site conditions, improvements, and/or operations; types of land use; and nature of businesses.
5. PERSONNEL INTERVIEWS - Includes interviews with current and historical property representatives, past owners, operators, and occupants at the property, who are familiar with the Site, and who are likely to have material information regarding the potential for contamination in order to obtain specialized Site knowledge and evaluate Site land use, Site history, Site operations, and Site maintenance procedures. Potential interviewees include: subject property owner(s), property manager(s), tenants, maintenance workers, and adjacent property owner(s) (for abandoned properties).

6. **DATA EVALUATION AND REPORT PREPARATION** - Includes a compilation of all the information gathered and preparation of this report. This report describes the research performed, Environet's findings, professional opinions, and conclusions.



	PHASE I ESA		FIGURE 1-1
	SITE LOCATION MAP EAST KAPOLEI BROWNFIELDS KAPOLEI, O'AHU, HAWAII		
PROJECT NO: 407-042 DATE: JANUARY 6, 2009 DRAWN BY: MR REVIEWED BY: SM	SCALE: 1" = 3,000 FEET 		



Section 2 Site Description

This section describes the Site location and general environmental characteristics based on record reviews. Detailed descriptions of Site conditions observed during the Site reconnaissance are provided in Section 6.1.

2.1 General Site and Vicinity Characteristics and Zoning

The Site is currently diversified agriculture production by Aloun Farms, or fallow land. The Site occupies approximately 380 acres in the area of Kapolei on the island of O‘ahu (Figures 2-1 and 2-2). The only structures on the Site are small storage buildings and the remainder of the Site is agricultural or fallow land.

According to the City and County of Honolulu, Department of Planning and Permitting website, the Site is zoned as AG-1. “The intent of the AG-1 restricted agricultural district is to conserve and protect important agricultural lands for the performance of agricultural functions by permitting only those uses which perpetuate the retention of these lands in the production of food, feed, forage, fiber crops and horticultural plants” (City and County of Honolulu, 2004).

Historically the Site has been used for agricultural purposes. The uses of the properties immediately adjacent to the Site are shown on Figure 2-2. The adjacent properties to the north and east are currently used for agricultural purposes. The storage and use of agricultural chemicals (fertilizers, pesticides, and herbicides) associated with agricultural operations represents a REC as these hazardous substances could impact the Site. None of the other general property uses immediately surrounding the Site at this time indicates a REC.

2.2 Physical Setting

This section presents a summary of the Site’s physical environment based on published information.

2.2.1 Topographic Review

The 2003 United States Geological Survey (USGS) Topographic Map of the area (Figure 1-1) shows the Site as generally flat with an elevation of approximately 98 feet above mean sea level (msl). The Site is approximately 0.75 mile west of Pearl Harbor (West Loch). There are no surface water bodies on the Site or adjacent to the Site. There are no other significant topographic features near the Site.

2.2.2 Geologic Review

Environet reviewed published geologic and hydrogeologic reports and maps to obtain available information regarding subsurface conditions in the general area of the Site.

Geology

The island of O'ahu is composed of two volcanoes: the Ko'olau Volcano and the Wai'anae Volcano. The Wai'anae Range is the older of the two volcanoes and lies to the west of the younger Ko'olau Volcano.

The Wai'anae Volcano is a shield volcano built up by a series of eruptions, which produced the Waianae Volcanic Series. The Wai'anae Mountains, the eroded remains of the Wai'anae Volcanic Shield, comprise western O'ahu.

The Ko'olau Volcano is an unusually elongate shield volcano built principally by eruptions along a northwest-southeast trending rift zone. The lavas produced during the shield building phase of the volcano are known as the Ko'olau Volcanic Series and consist of tholeiitic and olivine basalts with small amounts of oceanite. The Ko'olau Mountains, the eroded remains of the Ko'olau Volcanic Shield, are approximately 37 miles long, trending northwest-southeast, and comprise approximately two-thirds of O'ahu (Macdonald *et al.*, 1983).

A long period of volcanic quiescence followed the Ko'olau shield building stage, during which erosion occurred and alluvium and marine sediments accumulated along coastal regions. Deep valleys were incised into the bedrock by major streams and subsequently filled with sediments. Following a long period of volcanic quiescence, volcanic activity resumed. These subsequent eruptions, such as Diamond Head, constituted the Honolulu Volcanic Series. Lavas of the Honolulu Volcanic Series include nephelinites, melilite nephelinites, basanites, and alkalic olivine basalts (Macdonald *et al.*, 1983).

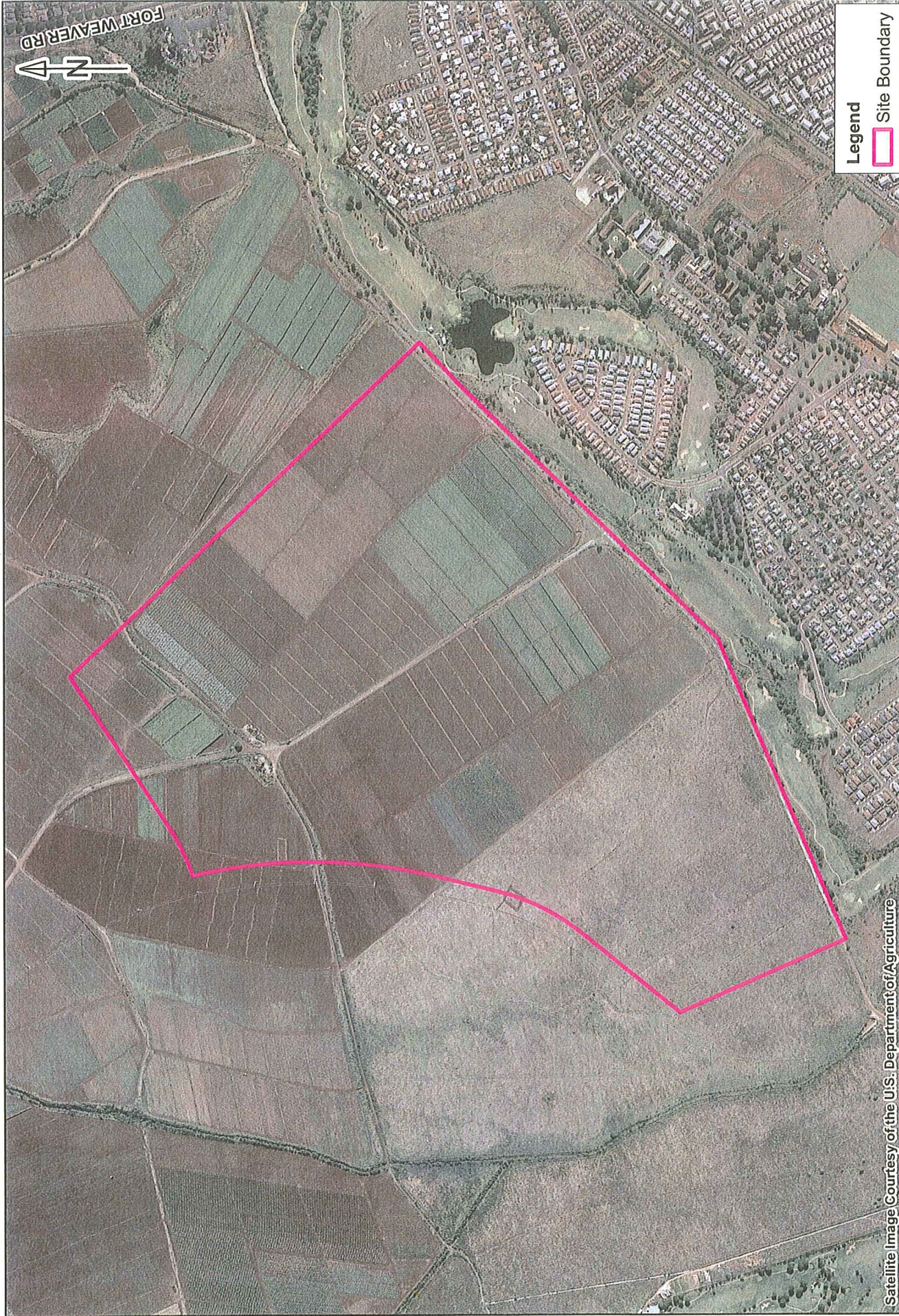
The Site is located on alluvial sediments on the southwest end of the Wai'anae Mountains. The upslope of the Wai'anae Mountains starts approximately 3,500 feet northeast of the Site.

Soil

Soil in the Site area is designated Honouliuli Clay Series (Foote, 1972). The Honouliuli series consists of well-drained soils on coastal plains on the island of O'ahu in the 'Ewa area. The soils are developed alluvium derived from basic igneous rock material (Foote, 1972). In a representative soil profile the Honouliuli Clay Series is dark reddish brown, very sticky and very plastic clay throughout. The soil is neutral to mildly alkaline. Permeability is moderately slow; runoff is slow; and the erosion hazard is no more than slight (Foote, 1972).

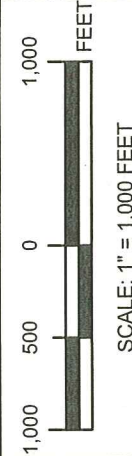
Hydrogeology

According to Mink and Lau (Mink and Lau, 1990), one aquifer underlies the Site area. The aquifer, code 30204111(11111), is unconfined (the aquifer is not confined under pressure beneath relatively impermeable rocks or soil), basal (fresh water in contact with seawater), and is



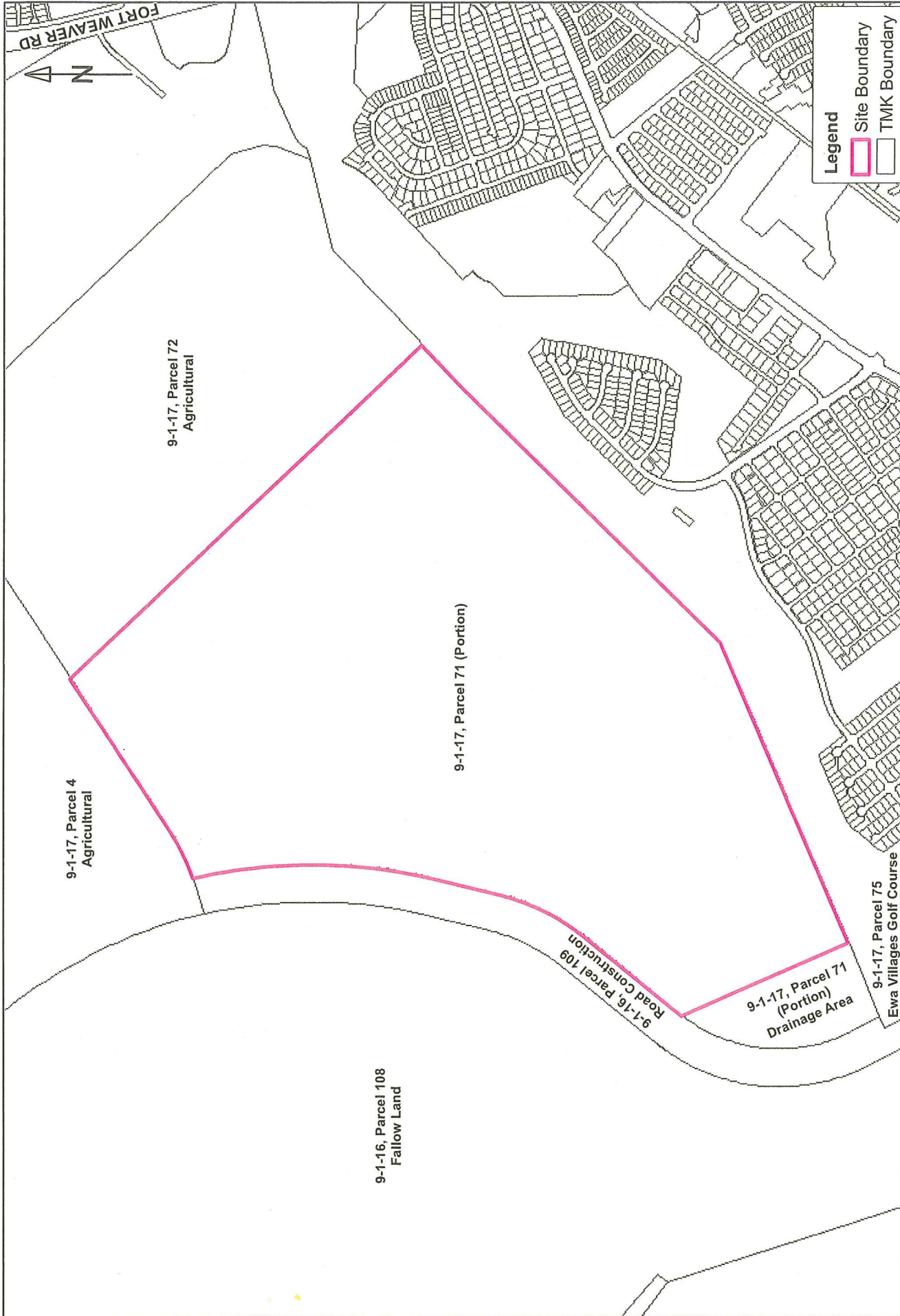
Satellite Image Courtesy of the U.S. Department of Agriculture

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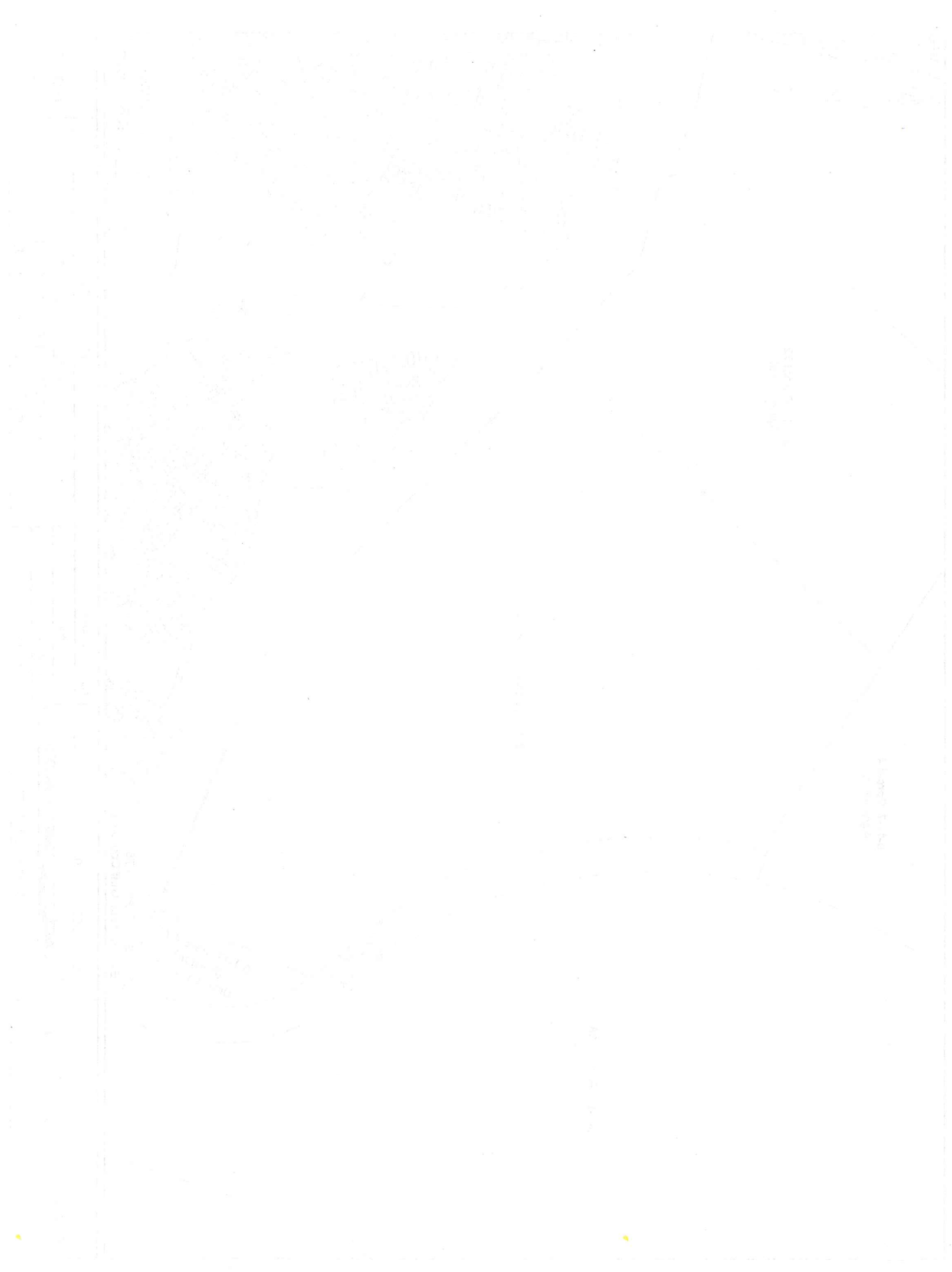


PHASE I ESA
 AERIAL MAP
 EAST KAPOLEI BROWNFIELDS
 KAPOLEI, O'AHU, HAWAII

FIGURE
 2-1



	PHASE I ESA SITE AREA MAP EAST KAPOLEI BROWNFIELDS KAPOLEI, O'AHU, HAWAII		FIGURE 2-2
	PROJECT NO.: 407-042 DATE: JANUARY 6, 2009 DRAWN BY: MR. REVIEWED BY: SM	1,000 500 0 1,000	FEET SCALE: 1" = 1,000 FEET



a flank-type (horizontally extensive lavas) aquifer. This aquifer is currently used for drinking water. The salinity of this irreplaceable aquifer is considered fresh (<250 milligrams per liter (mg/L) of chloride (Cl)) and the aquifer is listed as having a high vulnerability to contamination.

Groundwater resources in the area are listed as being in the Waipahu aquifer system of the Pearl Harbor aquifer sector. The Mink and Lau aquifer designation for the Site is shown in Figure 1-1. Annual rainfall for the Site area is approximately 24 inches (Juvik and Juvik, 1998).

Based on the elevation of the Site, approximately 98 feet above msl, the depth to groundwater at the Site is likely 90 to 100 feet below ground surface (bgs). Generally, groundwater travels downgradient towards the ocean. Therefore, the groundwater gradient in the vicinity of the Site is probably to the southeast towards Pearl Harbor (West Loch).

2.2.3 Wells and Drinking Water Sources

The Site is located approximately 0.6 miles west and landward (*mauka* of) the underground injection control (UIC) line (Figure 1-1). The UIC line was established by the State of Hawai'i Department of Health (DOH) to protect groundwater resources. Groundwater landward (*mauka*) of the UIC line is considered a potential drinking water source. Groundwater seaward (*makai*) of the UIC line is considered as non potable and saline. Injection wells are prohibited above (*mauka* of) the UIC line.

Drinking water wells and injection wells within approximately 1 mile of the Site are shown on Figure 1-1 and page A-9 of the Environmental Data Resources, Inc. (EDR) report (Appendix B). The wells illustrated on Figure 1-1 are from the DOH UIC program and are based on information from July 6, 1984. The wells illustrated and listed in the EDR report (Appendix B) include information up to approximately 2005. Some wells are illustrated on both Figure 1-1 and the EDR map. Based on the location, status, and use of the wells, there is no environmental concern associated with the wells.

2.3 Past Land Use of Site and Surrounding Properties

The following subsections discuss Environet's findings regarding the Site and surrounding area history that could be gleaned from historic building permits, aerial photographs, maps, tax records, and tax assessment records.

2.3.1 Building Permits

Building permits for the Site and adjacent properties were examined on the City and County of Honolulu Real Property Assessment Division web site (1977 to present). The permit records were examined in order to identify RECs associated with the Site and adjacent properties. The building permit records indicated the following:

Site

There were no building permits on file for the Site.

Adjacent Properties

None of the building permits for adjacent sites indicate the presence of a REC.

2.3.2 Aerial Photographs and Maps

Past land use was evaluated by reviewing historical topographic maps (1953, 1962, 1968, 1983, 1998) and aerial photographs (1971, 1990, 1998). Environet selected representative documents to show the evolution of the Site and the surrounding area, which are summarized below.

A USGS topographic map from 1953 indicates that the Site was used primarily for agricultural purposes, most likely for sugarcane production, as most of the historical agriculture on the island of O'ahu was primarily sugar plantations. There was a reservoir located on the north end of the Site, just north of the known location of the pesticide mixing and loading area. There was minor development to the south, including housing and small businesses.

Two more USGS topographic maps from 1962 and 1968 and an aerial photograph from 1970 reveal that there was very little development during this period, and the Site and surrounding areas remained relatively unaltered.

An aerial photograph from 1990 shows that the Site was still being used for agriculture. There is evidence of some minor development to the south, and the reservoir north of the pesticide mixing and loading area has been filled in and converted to agricultural land. Some of the interior unpaved roads on the Site had been altered.

An aerial photograph from 1998 shows that the Site was still being used for agricultural purposes, however sugarcane was no longer the dominant crop and much of the land was fallow.

In summary, the Site obtained its current configuration by 1998 based on USGS topographic maps and aerial photographs. The historic maps and aerial photographs indicate the Site and most of the surrounding properties were under sugarcane cultivation for several decades. Although agricultural chemicals (fertilizers, pesticides, and herbicides) were commonly used in sugarcane cultivation, which could result in a potential for residual agricultural chemicals to be present in the soil of the Site, soil sampling has shown that there are no elevated concentrations of agricultural chemicals in the Site soil (see Section 2.3.5).

2.3.3 Sanborn Fire Insurance Maps

No Sanborn Fire Insurance Maps were available for the Site.

2.3.4 Tax Records

Environet searched the City and County of Honolulu Real Property tax records for the Site to assess the chain of title for Site uses that may indicate a REC; however, no historic tax records were available. The property is currently owned by DLNR and has been planned for transfer to DHHL. Based on a previous report, the Site was "historically owned by James Campbell for growing sugarcane. The original sugar plantation was acquired by Castle & Cooke Incorporated, which leased the land. The 'Ewa Plantation was chartered in 1890 by Castle & Cooke. The 'Ewa Sugar Plantation operated under the new ownership of O'ahu Sugar Company in 1970. O'ahu Sugar Company ceased operations on the property in 1994. The property was obtained by the State of Hawai'i from the Campbell Estate in the mid-1990s. The fields in the area are currently leased to Aloun Farms for commercial cultivation of fruit and vegetables" (EnviroServices and Training Center, LLC (ETC), 2007).

2.3.5 Previous Environmental Reports

Three previous environmental reports were available for Environet to review. The first report documented a Phase I ESA conducted at East Kapolei Brownfields Site in Kapolei, O'ahu, by AMEC Earth & Environmental, Inc. (AMEC) (dated September 2004). The findings of the Phase I ESA are summarized below:

- Based upon previously collected data, and information indicating use of pesticides and herbicides throughout the Site history, elevated concentrations of dioxins, pesticides and herbicides above residential preliminary remediation goals may exist throughout the Site.
- Based upon previously collected data, the O'ahu Sugar Company pesticide mixing and loading area has elevated concentrations of dioxins, pesticides and herbicides above residential preliminary remediation goals.
- An area suspected to be used as a pesticide mixing and loading area by the tenant, Aloun Farms, was observed. The location of this suspected pesticide mixing and loading area was approximately 100 feet east of the O'ahu Sugar Company pesticide mixing and loading area, along an unpaved dirt road, north of the area of standing water.
- An area near the O'ahu Sugar Company pesticide mixing and loading facility was observed to have standing water. This area was considered a potential environmental condition, as the presence of the standing water was within 20 feet of the suspected pesticide mixing and loading area and the vegetation within the standing water appeared stressed (AMEC, 2004).

The second report documented a Final Site Investigation and Preliminary Remedial Alternatives Analyses conducted by ETC for East Kapolei Brownfields, Former O'ahu Sugar Company Pesticide Mixing and Loading Area (dated August 2007). This investigation concluded the following:

- Elevated pesticide-related contaminant concentrations in surface and near surface soils pose a potential risk to current and future receptors; but the contamination does not appear to extend to depths much greater than three to four feet bgs.

- Data exist that indicate soil samples collected from depths of six feet bgs and greater had contaminant concentrations, particularly dioxins/furans, below applicable requirements for this project.
- Based on the combined findings of the current and previous investigations at the pesticide mixing and loading site, a Preliminary Alternatives Analysis was prepared to identify potential corrective actions to address current and future exposure risks associated with pesticide-related contaminants in the site soils.
- The preliminary analysis evaluated six potential remedial alternatives: 1) no action; 2) soil excavation/removal; 3) installation of a soil cap; 4) installation of an asphalt cap; 5) installation of a geomembrane liner with a soil cap; and 6) a combination of soil excavation, reinterment, and installation of an asphalt cap.
- Based on ETC's scoring system, the top ranked alternatives were: 1) installation of an asphalt cap over the affected area; 2) installation of a geomembrane liner with a soil cap over the affected area; and 3) a combination of soil excavation, reinterment, and installation of an asphalt cap over the reinterred soil.
- ETC concluded that sufficient public input and data did not exist to make a determination of a preferred alternative (ETC, 2007).

The third report documented a site assessment conducted by Tetra Tech EM Inc. (TTEMI) at the former East Kapolei agricultural property to determine if the property was suitable for a future residential housing development (dated December 2007). Multi-increment soil sampling was conducted on 59 decision units of 5,000 square feet (approximate size of a home lot). The assessment concluded that "there are no elevated concentrations of chemicals of potential concern in the soil that suggest conditions are not suitable for residential reuse, or that any additional sampling or evaluation is necessary" (TTEMI, 2007). In a letter dated January 16, 2008, the DOH concurred with the conclusions of the assessment and agreed that no further action (NFA) was necessary for the proposed residential development (DOH, 2008).

Section 3 User Provided Information

ASTM E1527-05 outlines the responsibilities of the user (*i.e.* the user of this Phase I ESA report, in context of completing a Phase I ESA. A user is defined as *the party seeking to use the Phase I ESA to complete an environmental site assessment of a property. A user may include a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager* (ASTM E 1527-05). In line with this definition, Environet regards the user as the person/organization hiring Environet to conduct this Phase I ESA. As part of completing a Phase I ESA, the user has the following duties:

- Review title and judicial records to identify environmental liens or activity and use limitations (AULs), if any, that are currently recorded against the property.
- Communicate to Environet, in advance of the site reconnaissance, any specialized knowledge or experience of the user that is material to RECs.
- Communicate to Environet, in advance of the site reconnaissance, any actual knowledge or any environmental lien or AULs encumbering the property or in connection with the property.
- Consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products.
- Communicate to Environet, in advance of the site reconnaissance, any commonly known or reasonably ascertainable information within the local community about the property that is material to RECs in connection with the property.
- Make known to Environet the reason why the user wants to have the Phase I ESA performed.

Environet interviewed Mr. Darrell Ing on December 30, 2008 for information regarding user responsibilities associated with the Phase I ESA. Mr. Ing is a project manager for DHHL, who will be acquiring the subject Site for residential development, and has been familiar with the Site for five years. A copy of the completed user (client) interview form is included in Appendix C.

Mr. Ing provided Environet with the reason for conducting the Phase I ESA, which was for the purpose of land conveyance. He stated that the Site was previously in sugarcane cultivation by O'ahu Sugar Co., Ltd. and a pesticide mixing and loading facility was operated on the Site from 1953 to 1994.

Mr. Ing indicated that no environmental liens or other AULs have been served against the Site; however, the former pesticide mixing and loading facility has been fenced off and locked, and warning signs posted, due to pesticide contamination. He stated that cleanup/remediation of the pesticide facility will be required before residential development can proceed.

The pesticide contamination at the former pesticide mixing and loading facility represents a REC at the Site.

It is Environet's opinion that the user (client), Mr. Darrell Ing, met all user responsibilities for this Phase I ESA, as described in ASTM E 1527-05.

Section 4 Records Review

Environet reviewed state and federal regulatory agency records for information on known or potential sources of hazardous waste, petroleum products, or other RECs at or near the Site. The following records and lists were reviewed for sites within the ASTM specified minimum search distance from the property located in Kapolei, Hawai'i, which, according to EDR, is located at the coordinates 21° 21' 5.3" N latitude and 158° 3' 14.4" W longitude.

Sites Within One Mile of the Subject Site

- EPA National Priority List (NPL);
- EPA Resource Conservation and Recovery Act (RCRA) Corrective Action Site (CORRACTS) List; and
- DOH State Hazardous Waste Sites (SHWS).

Sites Within 0.5 Mile of the Subject Site

- EPA Delisted NPL;
- Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) List;
- CERCLIS No Further Remedial Action Planned (NFRAP) List;
- EPA RCRA Treatment, Storage, and/or Disposal (TSD) Facilities List;
- DOH Landfill and/or Solid Waste Disposal Site Lists; and
- DOH leaking underground storage tank (LUST) List.

On the Site and Adjoining Properties

- DOH Registered underground storage tank (UST) List; and
- RCRA Generators List.

On the Site

- Federal Emergency Response Notification System (ERNS) List;
- EPA Institutional Controls and Engineering Controls Lists;
- DOH Institutional Control and Engineering Control Lists;
- DOH Voluntary Response Program List; and
- DOH Brownfields List.

Explanations of each federal record or list are provided in EDR's report attached in Appendix B. State of Hawai'i records are defined within this report, because they are not all included in the EDR report.

4.1 EPA NPL

There are no NPL sites listed on or within one mile of the Site (EDR, 2008; Appendix B).

4.2 EPA RCRA CORRACTS Facilities List

There are no RCRA CORRACTS facilities located on or within one mile of the Site (EDR, 2008; Appendix B).

4.3 DOH SHWS List

The SHWS records are the states' equivalent to CERCLIS. These sites may or may not be listed on the federal CERCLIS list. The SHWS list contains information on sites identified by the State of Hawai'i as abandoned, inactive, or uncontrolled hazardous waste sites that may require cleanup. There are five SHWS facilities located within one mile of the Site, none of the listed sites are adjacent to the subject Site, and the subject Site is not listed (EDR, 2008; Appendix B). None of the SHWS listed sites were provided with a high priority rating and three of the five sites have been provided a NFA status by the DOH. Based on the location of the listed sites and their DOH ratings, a REC does not exist near the Site.

4.4 EPA Delisted NPL

There are no delisted NPL sites located on or within half a mile of the Site (EDR, 2008; Appendix B).

4.5 EPA CERCLIS List

There are no CERCLIS sites located on or within half a mile of the Site (EDR, 2008; Appendix B).

4.6 EPA RCRA TSD Facilities List

There are no RCRA TSD facilities located on or within half a mile of the Site (EDR, 2008; Appendix B).

4.7 DOH Landfill and/or Solid Waste Disposal Site Lists

There are no permitted landfills or solid waste disposal sites located on or within half a mile of the Site (EDR, 2008; Appendix B).

4.8 DOH LUST List

There is one LUST site located within half a mile of the subject Site, none of the listed sites are adjacent to the subject Site, and the subject Site is not listed (EDR, 2008; Appendix B). Based on the location of the listed sites and their DOH ratings, a REC does not exist near the Site.

4.9 DOH UST Section Database Listing

The Site is not listed on the UST database and there are no UST sites located on adjacent properties (DOH, 2004b and EDR, 2008; Appendix B).

4.10 EPA CERCLIS-NFRAP List

There are no CERCLIS-NFRAP sites located on or within half a mile of the Site (EDR, 2008; Appendix B).

4.11 EPA RCRA Generators List

The subject Site is not listed on the RCRA generators list and there were no adjacent property RCRA generators (EDR, 2008; Appendix B).

4.12 EPA ERNS List

The subject Site is not listed on the ERNS list. There were no reported incidents on the Site (EDR, 2008; Appendix B).

4.13 EPA Institutional Controls and Engineering Controls Lists

The subject Site is not listed on the EPA Institutional Controls List. The subject Site is not listed on the EPA Engineering Controls List (EDR, 2008; Appendix B).

4.14 DOH Institutional Controls and Engineering Controls Lists

The DOH Institutional Controls List and Engineering Controls Lists are the state's equivalent to the federal Institutional Controls and Engineering Controls lists maintained by the EPA. These sites are part of the DOH Hazard Evaluation and Emergency Response (HEER) Office's State Response Program. These sites may or may not be listed on the federal equivalent lists.

The subject Site is not listed on the DOH Institutional Controls List. The subject Site is not listed on the DOH Engineering Controls List (EDR, 2008; Appendix B).

4.15 DOH Voluntary Response Program List

There are no Voluntary Response Program facilities located on or within a half mile of the Site (EDR, 2008; Appendix B).

4.16 DOH Brownfields List

There are three Brownfields located on and/or adjacent to the Site (EDR, 2008; Appendix B). The following three separate properties are listed as Brownfields:

- East Kapolei Pesticide Mixing and Loading – this is located on the Site;
- East Kapolei Property; and
- DHHL – East Kapolei Affordable Housing.

Based on personal communication with Mr. Darrell Ing (Ing, 2009), a project manager with DHHL, it is Environet's understanding that the three Brownfields sites are all connected to the pesticide contamination resulting from historical sugarcane cultivation operations. Pesticide contamination found on the Site during previous investigations is described in Section 2.3.5. The three Brownfields sites are considered RECs.

Section 5 Personnel Interviews

Environet conducted multiple interviews with persons knowledgeable of the Site, in order to gain information regarding land use, Site history, and Site operations.

5.1 Current Personnel Interviews

5.1.1 Owner(s) Interview

DLNR is the current owner of the subject Site. Environet attempted to interview Ms. Barbara Lee on December 29, 2008, for information and knowledge regarding RECs associated with the Site. Ms. Lee is the representative for DLNR most familiar with subject Site. Ms. Lee did not respond to the owner interview questionnaire, therefore no information was supplied by the current owner.

However, Environet interviewed Mr. Darrell Ing on December 30, 2008. Mr. Ing is a project manager for DHHL, who will be acquiring the subject Site, and has been familiar with the Site for five years. A copy of the completed user interview form is included in Appendix C.

Mr. Ing stated that the Site was previously in sugarcane cultivation by O'ahu Sugar Co., Ltd. and a pesticide mixing and loading facility was operated on the Site from 1953 to 1994. The former pesticide mixing and loading facility has been fenced off and locked, and warning signs posted, due to pesticide contamination. He stated that cleanup/remediation of the pesticide facility will be required before residential development can proceed.

The pesticide contamination at the former pesticide mixing and loading facility represents a REC at the Site.

5.1.2 Site Manager(s)/Property Manager(s) Interview

There were no Site Managers or Property Managers available for interviews.

5.1.3 Occupant(s) Interview

On December 29, 2008, Environet attempted to interview Mr. Alex Sou of Aloun Farms, a current occupant of the subject Site, for information and knowledge regarding RECs associated with the Site. Mr. Sou did not respond to the occupant interview questionnaire, therefore no information was supplied by the current occupant.

5.2 Historical Personnel Interviews

5.2.1 Past Owner(s), Operators(s), and Occupant(s) Interview

Environet was unable to interview any of the past owners, operators, or occupants of the Site.

5.3 Additional Interviews

5.3.1 State or Local Official(s) Interview

Environet is aware that the Site has been under an environmental investigation for several years in association with the pesticide mixing and loading facility. Environet has reviewed previous reports and historical data for this area of the Site. On January 5, 2009, Environet spoke with Ms. Maria Reyes, the current DOH project manager for the Site, to obtain status information regarding the remediation/cleanup of the Site. Ms. Reyes stated that no additional information was available regarding the status of the Site other than the previous environmental reports (discussed in Section 2.3.5).

However, Environet contacted Mr. Darrell Ing, project manager for DHHL, to obtain status information regarding the remediation/cleanup of the Site. Mr. Ing informed Environet that DHHL is applying for an EPA grant for cleanup of the site and DHHL's preferred remedial alternative is covering the pesticide contamination with a geomembrane liner and capping the area. DHHL is working with DOH to create a cleanup plan, but there has been no implementation of the selected remedial action (Ing, 2009).

Section 6 Site Reconnaissance

Environet conducted a reconnaissance of the Site for visual observations of RECs.

6.1 Site Reconnaissance

On Monday, December 22, 2008, Environet personnel conducted a reconnaissance of the Site. All observations are based on the Site's condition at the time of Environet's reconnaissance. Permission to access the Site was given by Mr. Darrell Ing of DHHL. All accessible areas of the Site are shown in Figure 6-1 and in Photos 1 through 12 (Appendix A).

The Site covers an area of approximately 380 acres in the area of Kapolei on the island of O'ahu. The Site contained lands used for growing of agricultural crops, fallow fields with brush, a water tank used for irrigation, and asphalt and dirt access roads. Two RECs were observed on the Site, the O'ahu Sugar Company former pesticide mixing and loading facility and five storage containers of various capacities were observed along the southern access road.

O'ahu Sugar Company, a previous occupant, constructed the pesticide mixing and loading facility which was used until 1994 (Photo 1). The former mixing facility is currently fenced off and listed as a Brownfields site; access to this area was not obtained. Within the fenced area there were drums with a capacity of 55-gallons or less, a rusted corrugated steel structure, and four rusted tanks of various volumes. A derelict tanker truck is also stationed outside of the fenced area (Photo 2).

Aloun Farms, the current occupant of the Site and an adjacent property to the north, is currently cultivating produce onsite (Photo 3 and Photo 4). The land consists of cultivated and fallow plots, which are accessed by dirt roads that traverse the project Site. An asphalt access road, Mango Tree Road, under the City and County of Honolulu jurisdiction, runs the length of the southern boundary (Photo 6). Along Mango Tree Road towards the southwest corner of the Site, five storage containers of various capacities were found in brush bordering the road (Photo 7).

Within the Site a fenced area of approximately 30 acres has been set aside for the red 'ilima (*Abutilon menziesii*), which is protected under state and federal endangered species laws (Photo 8). Access to this area was not obtained.

Other areas of interest:

- On the western property boundary land was being cleared by earthmoving equipment for the foundation of the Salvation Army Kroc Community Center (Photo 9).
- Adjacent to the Kroc Community Center, a bridge was being constructed over a drainage channel with excavators and earthmoving equipment as part of the new North-South Road (Photo 10).
- In the southwest corner of the Site boundary there was a borrow pit with excavators, earthmoving equipment, and soil stockpiles (Photo 11).

- Standing water was observed in an area of lower elevation to the north of the former pesticide mixing facility and along Mango Tree Road (Photo 12).

No access was provided to the following areas of the Site:

- Former O'ahu Sugar Company Pesticide Mixing and Loading Facility.
- *Abutilon menziesii* contingency reserve area.

Environet is unable to form opinions regarding the presence of RECs in those areas of the Site that were not inspected during the Site reconnaissance.

6.1.1 Hazardous Chemical Containing Materials and Waste

There were no hazardous chemical containing materials and waste on the Site, except five storage containers of various capacities that were observed in brush bordering Mango Tree Road.

6.1.2 Drainage

The Site gently slopes south towards the ocean, allowing water to collect in a drainage ditch that runs east to west along the southern boundary. Also a small rain eroded channel was observed along the eastern boundary of the Site.

6.1.3 Stressed Vegetation

Environet did not observe any stressed vegetation during the Site inspection.

6.1.4 Other Observations

Standing water was observed in an area of lower elevation to the north of the former pesticide mixing facility and along Mango Tree Road.

6.2 Adjacent Properties

Environet did not walk the individual adjacent properties; however, Environet performed an offsite visual inspection of the properties located immediately adjacent to the Site to observe visible environmental conditions (Figure 2-2).

Environet did not observe any RECs at any of the adjacent properties.

Section 7 Data Gaps

In performing this Phase I ESA, Environet identified several data gaps. A data gap is a lack or inability to obtain information required by ASTM E 1527-05 despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice (ASTM E 1527-05). Environet identified the following data gaps relating to this Phase I ESA:

- During the Site reconnaissance Environet was unable to inspect the former pesticide mixing and loading facility. This was due to the fact that it is contained inside a locked fence. This represents a data gap; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- During the Site reconnaissance Environet was unable to inspect the *Abutilon menziesii* contingency reserve area. This was due to the fact that it is contained inside a locked fence. This represents a data gap; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- Environet was unsuccessful in its attempt to conduct interviews with current and historical Site personnel; however, this data gap does not appear to impact our ability to identify RECs at the Site because adequate current and historical Site information was provided in previous reports and by the DHHL. It is Environet's opinion that this does not represent a significant data gap.

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Section 8 Conclusions and Opinions

We have performed this Phase I ESA in conformance with the scope and limitations of ASTM E 1527-05 of the East Kapolei Brownfield Sites in Kapolei on the island of O'ahu. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report.

This assessment has revealed evidence of RECs in connection with the Site. The RECs are described in detail in the body of the report and summarized below.

Current RECs

- The Site is listed as a U.S. Brownfields under the following three separate property listings:
 - East Kapolei Pesticide Mixing and Loading;
 - East Kapolei Property; and
 - DHHL – East Kapolei Affordable Housing.
- Results of several previous investigations conducted at the former pesticide mixing and loading facility, located on the northern portion of the Site, indicate that pesticide related contaminants are present in surface and near surface soil in the vicinity of the former pesticide mixing and loading facility at levels that pose current and future exposure risks to Site receptors. This area is currently contained within a locked fence and cleanup/remediation of the pesticide mixing and loading facility will be required before residential development can proceed.
- Portions of the Site are currently used for diversified agricultural. The storage and use of agricultural chemicals (fertilizers, pesticides, and herbicides) associated with agricultural operations indicates a material threat of a release of a hazardous substance that could impact the Site.
- Storage containers of various capacities were observed in brush along Mango Tree Road towards the southwest corner of the Site. It is unknown if these containers were used to store hazardous chemicals and if hazardous materials may have leaked from these containers. This indicates a material threat of a release of a hazardous substance that could impact the Site.

Other Items of Environmental Concern

Structures associated with the former pesticide mixing and loading facility were constructed prior to 1978 (Section 2.3), therefore some of the building materials may contain asbestos (wallboard, vinyl floor tiles, *etc.*) or have been painted with lead based paint. This Phase I ESA did not make a detailed assessment of asbestos or lead based paint at the Site; a focused assessment of these items should be performed if the structures older than 1978 are to be remodeled or demolished.

Data Gaps

- During the Site reconnaissance Environet was unable to inspect the former pesticide mixing and loading facility. This represents a data gap for the Site; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- During the Site reconnaissance Environet was unable to inspect the *Abutilon menziesii* contingency reserve area. This was due to the fact that it is contained inside a locked fence. This represents a data gap; however, this data gap does not appear to impact our ability to identify RECs at the Site. It is Environet's opinion that this does not represent a significant data gap.
- Environet was unsuccessful in its attempt to conduct interviews with current and historical Site personnel; however, this data gap does not appear to impact our ability to identify RECs at the Site because adequate current and historical Site information was provided in previous reports and by the DHHL. It is Environet's opinion that this does not represent a significant data gap.

Section 9 Limitations

We have based our conclusions and recommendations on our interpretation of the available historical and regulatory information and documents reviewed and a visual Site inspection performed on Monday, December 22, 2008. We cannot guarantee or warrant that the Site is free of contamination. We do warrant that our services are performed with the usual competence and thoroughness of the consulting profession, in accordance with the standard operating procedures of this time. Environet does not provide any other guarantee or warranty.

This Phase I ESA is not a comprehensive site characterization and should not be construed as such. The opinions presented in this report are based on findings derived from a Site reconnaissance and a review of specified regulatory records and historical sources. This Phase I ESA did not include any investigation with respect to lead, asbestos, arsenic, radon, methane, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, or site geotechnical concerns. All information on UST and LUST sites is based on information reported to the DOH Solid and Hazardous Waste Branch (DOH, 2004a and 2004b). All information on HEER site and release sites is based on information reported to the DOH HEER Office (DOH, 2000a and 2000b).

There are no exceptions or deletions to ASTM practice in this Phase I ESA.

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Section 10 References

- AMEC, 2004. Phase I Environmental Site Assessment at East Kapolei Brownfields Site, Kapolei, O‘ahu, Hawai‘i. September 2004.
- ASTM, 2005. Standard Practice for ESAs: Phase I ESA Process. ASTM, E 1527-05. 2005.
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- DOH, 2000b. DO, Site List Database.
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- Mink, J. F. and Lau, S., 1990. Aquifer Identification and Classification for O'ahu: Groundwater Protection Strategy for Hawai'i. Water Resources Research Center, University of Hawai'i, Technical Report 179. February, 1990.
- TTEMI, 2007. Final Site Assessment Report, East Kapolei Affordable Housing Project, Kapolei, O'ahu, Hawai'i. December 12, 2007.
- USGS Department of the Interior, 'Ewa Quadrangle, O'ahu, Hawai'i, 7.5 Minute Series, scale: 1:24,000, 1953, 1962, 1968, 1983, 1998, 2003.

Appendix A: Photographs

Photo Log



Photo 1: Former Oahu Sugar Company Pesticide Mixing and Loading Area.

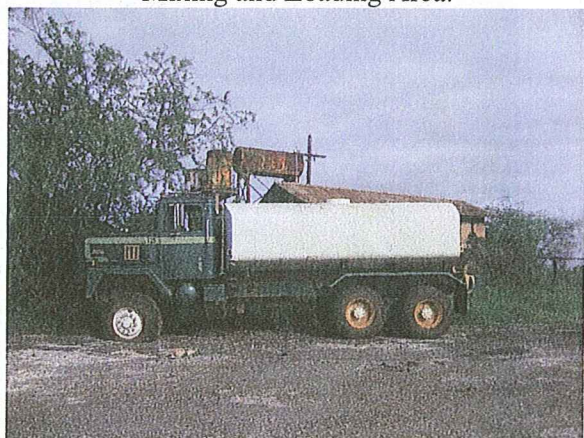


Photo 2: Tanker truck in front of former mixing facility.



Photo 3: Small plots within Site are currently used for agricultural purposes.



Photo 4: Adjacent agricultural plot to the north of Site.



Photo 5: Water tank used for agricultural irrigation.



Photo 6: Southern access road (Mango Tree Road).

Photo Log



Photo 7: Several storage containers of various capacities.



Photo 8: Abutlon contingency reserve area.



Photo 9: Salvation Army Kroc Community Center foundation.



Photo 10: Bridge construction on west boundary of Site.



Photo 11: Borrow pit in southwest corner of Site.



Photo 12: Standing water in an area of lower elevation to the north of the former pesticide mixing facility.

*Appendix B: EDR Database Search
2384685.2S, December 17, 2008*

East Kapolei Sites

Farrington Highway

Kapolei, HI 96706

Inquiry Number: 2384685.2s

December 17, 2008

The EDR Radius Map™ Report with GeoCheck®



EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
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www.edrnet.com

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

FARRINGTON HIGHWAY
KAPOLEI, HI 96706

COORDINATES

Latitude (North): 21.351480 - 21° 21' 5.3"
Longitude (West): 158.054000 - 158° 3' 14.4"
Universal Transverse Mercator: Zone 4
UTM X (Meters): 598089.5
UTM Y (Meters): 2361203.5
Elevation: 98 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 21158-C1 EWA, HI
Most Recent Revision: Not reported

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL LIENS.....	Federal Superfund Liens
LIENS 2.....	CERCLA Lien Information
CORRACTS.....	Corrective Action Report
RCRA-TSDF.....	RCRA - Transporters, Storage and Disposal
RCRA-LQG.....	RCRA - Large Quantity Generators
US ENG CONTROLS.....	Engineering Controls Sites List
US INST CONTROL.....	Sites with Institutional Controls

EXECUTIVE SUMMARY

HMIRS.....	Hazardous Materials Information Reporting System
DOT OPS.....	Incident and Accident Data
US CDL.....	Clandestine Drug Labs
FUDS.....	Formerly Used Defense Sites
LUCIS.....	Land Use Control Information System
CONSENT.....	Superfund (CERCLA) Consent Decrees
ROD.....	Records Of Decision
UMTRA.....	Uranium Mill Tailings Sites
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
ODI.....	Open Dump Inventory
MINES.....	Mines Master Index File
TSCA.....	Toxic Substances Control Act
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS.....	Section 7 Tracking Systems
ICIS.....	Integrated Compliance Information System
PADS.....	PCB Activity Database System
MLTS.....	Material Licensing Tracking System
RADINFO.....	Radiation Information Database
RAATS.....	RCRA Administrative Action Tracking System
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing

STATE AND LOCAL RECORDS

SWF/LF.....	Permitted Landfills in the State of Hawaii
VCP.....	Voluntary Response Program Sites
DRYCLEANERS.....	Permitted Drycleaner Facility Listing
BROWNFIELDS.....	Brownfields Sites

TRIBAL RECORDS

INDIAN RESERV.....	Indian Reservations
INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
INDIAN LUST.....	Leaking Underground Storage Tanks on Indian Land
INDIAN UST.....	Underground Storage Tanks on Indian Land
INDIAN VCP.....	Voluntary Cleanup Priority Listing

EDR PROPRIETARY RECORDS

Manufactured Gas Plants.....	EDR Proprietary Manufactured Gas Plants
------------------------------	---

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL RECORDS

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/07/2008 has revealed that there is 1 CERCLIS site within approximately 2 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA SUGAR MILL/OAHU SUGAR CO.	RENTON ROAD	SE 1 - 2 (1.300 mi.)	G34	36

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/03/2007 has revealed that there is 1 CERC-NFRAP site within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC CONCRETE & ROCK LDFL	91-402 FARRINGTON HWY	WSW 1 - 2 (1.556 mi.)	N66	53

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/10/2008 has revealed that there is 1 RCRA-SQG site within approximately 1.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL SERVICE STATION	577 FARRINGTON HWY	WSW 1 - 2 (1.717 mi.)	O70	56

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/10/2008 has revealed that there are

EXECUTIVE SUMMARY

3 RCRA-CESQG sites within approximately 1.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
LONGS DRUG STORE NO 317	91 590 FARRINGTON HWY N	WSW 1 - 2 (1.451 mi.)	K56	46
CHEVRON 209722	91 565 FARRINGTON HWY	WSW 1 - 2 (1.454 mi.)	K60	49
BWS MAKAKILO BOOSTER STATION N	92 405 MAKAKILO DR	WSW 1 - 2 (1.618 mi.)	N67	54

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 09/10/2008 has revealed that there are 2 RCRA-NonGen sites within approximately 1.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRACE PACIFIC CORPORATION CONC	91-920 FARRINGTON HIGHW	W 1/2 - 1 (0.778 mi.)	16	26
TERADA E W A NUI SUBSTATION	91 1440 FARRINGTON HWY	NNE 1 - 2 (1.432 mi.)	L50	43

ERNS: The Emergency Response Notification System records and stores information on reported releases of oil and hazardous substances. The source of this database is the U.S. EPA.

A review of the ERNS list, as provided by EDR, and dated 12/31/2007 has revealed that there are 5 ERNS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
92-200 FARRINGTON HWY	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B4	13
91-920 FARRINGTON HWY	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B11	24
91-920 FARRINGTON HIGHWAY	91-920 FARRINGTON HIGHW	W 1/2 - 1 (0.666 mi.)	B13	25
91-1440 FARRINGTON HIGHWAY	91-1440 FARRINGTON HIGH	NNE 1 - 2 (1.432 mi.)	L52	45
91-1440 FARRINGTON HIGHWAY	91-1440 FARRINGTON HIGH	NNE 1 - 2 (1.432 mi.)	L53	45

US BROWNFIELDS: The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 07/01/2008 has revealed that there are 3 US BROWNFIELDS sites within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EAST KAPOLEI PESTICIDE MIXING	UNKNOWN	E 1/4 - 1/2 (0.497 mi.)	1	6
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EAST KAPOLEI PROPERTY	1 MILE SOUTHEAST OF HIG	ESE 1/2 - 1 (0.635 mi.)	A2	9
DHHL-EAST KAPOLEI AFFORDABLE H	NOT APPLICABLE	ESE 1/2 - 1 (0.654 mi.)	A3	12

EXECUTIVE SUMMARY

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
BARBERS POINT NAVAL AIR STATIO		SSE 1 - 2 (1.404 mi.)	0	6

TRIS: The Toxic Chemical Release Inventory System identifies facilities that release toxic chemicals to the air, water, and land in reportable quantities under SARA Title III, Section 313. The source of this database is the U.S. EPA.

A review of the TRIS list, as provided by EDR, and dated 12/31/2006 has revealed that there is 1 TRIS site within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HAWAIIAN ELECTRIC CO INC KAHE	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B7	14

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/01/2008 has revealed that there are 28 FINDS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HECO GENERATING STATION: KAHE	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B6	14
HAWAIIAN ELECTRIC COMPANY (HEC	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B9	21
GRACE PACIFIC CORPORATION - MA	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B15	26
GRACE PACIFIC CORPORATION CONC	91-920 FARRINGTON HIGHW	W 1/2 - 1 (0.778 mi.)	16	26
HOMEOWNER	91-1504 HALAHINANO ST.	WSW 1 - 2 (1.123 mi.)	21	30
TERADA E W A NUI SUBSTATION	91 1440 FARRINGTON HWY	NNE 1 - 2 (1.432 mi.)	L51	45
HONOLULU WELLS II	91-1440 FARRINGTON HWY	NNE 1 - 2 (1.432 mi.)	L54	45
LONGS DRUG STORE NO 317	91 590 FARRINGTON HWY N	WSW 1 - 2 (1.451 mi.)	K56	46
BHP GAS EXPRESS (STATION # 55)	91-590 FARRINGTON HWY	WSW 1 - 2 (1.451 mi.)	K58	48
TESORO GAS EXPRESS #55	91-590 FARRINGTON HIGHW	WSW 1 - 2 (1.451 mi.)	K59	48
CHEVRON 209722	91 565 FARRINGTON HWY	WSW 1 - 2 (1.454 mi.)	K61	50
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GARAGE VEHICLE SERVICE AREA OI	91-908 OANIANI ST	WSW 1/2 - 1 (0.956 mi.)	C18	29
KAPOLEI ELEMENTARY SCHOOL	91-1119 KAMAAHA LOOP	SW 1 - 2 (1.091 mi.)	D19	29
KAPOLEI ELEMENTARY COMMUNITY R	91-1119 KAMAAHA LOOP	SW 1 - 2 (1.091 mi.)	D20	29
KAPOLEI MIDDLE SCHOOL	91-5335 KAPOLEI PARKWAY	S 1 - 2 (1.127 mi.)	22	30
EWA VILLAGES GOLF COURSE	91-1760 PARK ROW ST	SE 1 - 2 (1.150 mi.)	23	30
HECO TRANSFORMER 91-1089 NAMA	91-1089 NAMAHOE ST	SW 1 - 2 (1.202 mi.)	E26	31
HECO TRANSFORMER 91-1089 NAMA	91-1089 NAMAHOE STREET	SW 1 - 2 (1.202 mi.)	E27	32

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA ELEMENTARY SCHOOL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F29	32
EWA SUGAR MILL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F31	33
EWA CENTRAL OFFICE	RENTON RD	ESE 1 - 2 (1.276 mi.)	F32	35
EWA SUGAR MILL/OAHU SUGAR CO.	RENTON ROAD	SE 1 - 2 (1.300 mi.)	G34	36
91-1750 ALA LOA STREET, CAR BA	91-1750 ALA LOA ST	E 1 - 2 (1.359 mi.)	H35	37
EWA VILLAGE PROJECT	RENTON RD & TENNY RD	SE 1 - 2 (1.365 mi.)	G38	38
ALA KONA CORPORATION	91-1205 RENTON RD	SE 1 - 2 (1.370 mi.)	G41	39
KAPOLEI GOLF COURSE	91-701 FARRINGTON HWY	WSW 1 - 2 (1.391 mi.)	K46	42
BURNT ODOR	91-1063 HOLOIMUA ST	SW 1 - 2 (1.411 mi.)	J49	43
VANTERPOOL RESIDENCE ON THE RI	91-1036 PALALA ST	SW 1 - 2 (1.474 mi.)	M63	51

STATE AND LOCAL RECORDS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Health.

A review of the SHWS list, as provided by EDR, and dated 04/04/2008 has revealed that there are 7 SHWS sites within approximately 2.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HECO GENERATING STATION: KAHE	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B8	14
GRACE PACIFIC CORPORATION - MA	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B10	21
PACIFIC CONCRETE & ROCK LDFL	91-402 FARRINGTON HWY	WSW 1 - 2 (1.556 mi.)	N65	51

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA SUGAR MILL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F30	33
EWA SUGAR MILL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F31	33
ALA KONA CORPORATION	91-1205 RENTON RD	SE 1 - 2 (1.370 mi.)	G41	39
BHP GAS EXPRESS STATION 43 EWA	91-1669 FORT WEAVER RD	E 1 - 2 (1.734 mi.)	P73	59

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Health's Active Leaking Underground Storage Tank Log Listing.

A review of the LUST list, as provided by EDR, and dated 06/30/2008 has revealed that there are 7 LUST sites within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAKAKILO QUARRY	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B12	25
Facility Status: Site Cleanup Completed (NFA)				
KSSK-FM TRANSMITTER SITE	165 PALEHUA RIDGE (PALE	NW 1 - 2 (1.359 mi.)	37	38
Facility Status: Site Cleanup Completed (NFA)				

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA ELEMENTARY SCHOOL	91-1280 RENTON RD	ESE 1 - 2 (1.369 mi.)	I39	38
Facility Status: Site Cleanup Completed (NFA)				

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA MILL FORMER VEHICLE MAINTENANCE Facility Status: LUST Cleanup Initiated	91-1201 RENTON ROAD	SE 1 - 2 (1.371 mi.)	G42	40
EWA VILLAGE PROJECT Facility Status: Site Cleanup Completed (NFA)	CORNER OF RENTON RD X T	SSE 1 - 2 (1.385 mi.)	45	41
FORMER UNOCAL SERVICE STATION Facility Status: Site Cleanup Completed (NFA)	91-1669 FT WEAVER RD	E 1 - 2 (1.724 mi.)	P71	58
HONOULIULI WASTEWATER TREATMENT Facility Status: Site Cleanup Completed (NFA)	91-1000 GEIGER RD	SSE 1 - 2 (1.826 mi.)	75	60

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Health's Listing of Underground Storage Tanks.

A review of the UST list, as provided by EDR, and dated 06/30/2008 has revealed that there are 14 UST sites within approximately 1.75 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
MAKAKILO QUARRY	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B12	25
KAHE POINT CABLE STATION	92-480 FARRINGTON HWY	NNE 1 - 2 (1.155 mi.)	24	30
TESORO GAS EXPRESS #55	91-590 FARRINGTON HWY	WSW 1 - 2 (1.451 mi.)	K55	46
WAIMANALO GULCH SANITARY LANDFILL	92-460 FARRINGTON HWY	NNE 1 - 2 (1.458 mi.)	L62	50
CHEVRON #209722	91-565 FARRINGTON HWY	WSW 1 - 2 (1.691 mi.)	O68	55
KAPOLEI SHELL	577 FARRINGTON HWY	WSW 1 - 2 (1.717 mi.)	O69	56

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA ELEMENTARY SCHOOL	91-1280 RENTON RD	ESE 1 - 2 (1.369 mi.)	I40	38
EWA MILL FORMER VEHICLE MAINTENANCE	91-1201 RENTON ROAD	SE 1 - 2 (1.371 mi.)	G42	40
EWA CENTRAL OFFICE	91-1296 RENTON RD.	ESE 1 - 2 (1.384 mi.)	I44	41
EWA VILLAGE PROJECT	CORNER OF RENTON RD X T	SSE 1 - 2 (1.385 mi.)	45	41
KAPOLEI GOLF COURSE	91-701 FARRINGTON HWY	WSW 1 - 2 (1.391 mi.)	K47	42
FORMER UNOCAL SERVICE STATION	91-1669 FT WEAVER RD	E 1 - 2 (1.724 mi.)	P71	58
KEN'S AUTO SERVICE	91-2078 FT WEAVER RD	ENE 1 - 2 (1.726 mi.)	72	59
PUU KAPOLEI CENTRAL OFFICE	KAMAHA RD & FT BARRETT	SW 1 - 2 (1.749 mi.)	74	60

SPILLS: Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

A review of the SPILLS list, as provided by EDR, and dated 04/04/2008 has revealed that there are 12 SPILLS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HECO GENERATING STATION: KAHE	92-200 FARRINGTON HWY	W 1/2 - 1 (0.665 mi.)	B8	14
GRACE PACIFIC CORPORATION - MA	91-920 FARRINGTON HWY	W 1/2 - 1 (0.666 mi.)	B10	21
BHP GAS EXPRESS (STATION # 55)	91-590 FARRINGTON HWY	WSW 1 - 2 (1.451 mi.)	K57	48

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GARAGE VEHICLE SERVICE AREA OI	91-908 OANIANI ST	WSW 1/2 - 1 (0.956 mi.)	C17	28
HECO TRANSFORMER 91-1089 NAMAHA	91-1089 NAMAHOE ST	SW 1 - 2 (1.202 mi.)	E25	31
EWA ELEMENTARY SCHOOL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F28	32

EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA SUGAR MILL/OAHU SUGAR CO.	RENTON RD	ESE 1 - 2 (1.276 mi.)	F33	35
91-1750 ALA LOA STREET, CAR BA	91-1750 ALA LOA ST	E 1 - 2 (1.359 mi.)	H36	37
ALA KONA CORPORATION	91-1205 RENTON RD	SE 1 - 2 (1.370 mi.)	G41	39
91-1040 LEHULEHU	91-1040 LEHULEHU	SW 1 - 2 (1.380 mi.)	J43	40
BURNT ODOR	91-1063 HOLOIMUA ST	SW 1 - 2 (1.411 mi.)	J48	43
VANTERPOOL RESIDENCE ON THE RI	91-1036 PALALA ST	SW 1 - 2 (1.474 mi.)	M64	51

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

A review of the INST CONTROL list, as provided by EDR, and dated 04/04/2008 has revealed that there are 4 INST CONTROL sites within approximately 2 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PACIFIC CONCRETE & ROCK LDFL	91-402 FARRINGTON HWY	WSW 1 - 2 (1.556 mi.)	N65	51

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
EWA SUGAR MILL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F30	33
EWA SUGAR MILL	RENTON RD	ESE 1 - 2 (1.276 mi.)	F31	33
BHP GAS EXPRESS STATION 43 EWA	91-1669 FORT WEAVER RD	E 1 - 2 (1.734 mi.)	P73	59

AIRS: A listing of permitted facilities in the state.

A review of the AIRS list, as provided by EDR, and dated 03/28/2008 has revealed that there are 2 AIRS sites within approximately 1.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
GRACE PACIFIC CORPORATION	91-920 FARRINGTON HIGHW	W 1/2 - 1 (0.665 mi.)	B5	13
HAWAIIAN CEMENT	91-920 FARRINGTON HIGHW	W 1/2 - 1 (0.666 mi.)	B14	26

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name

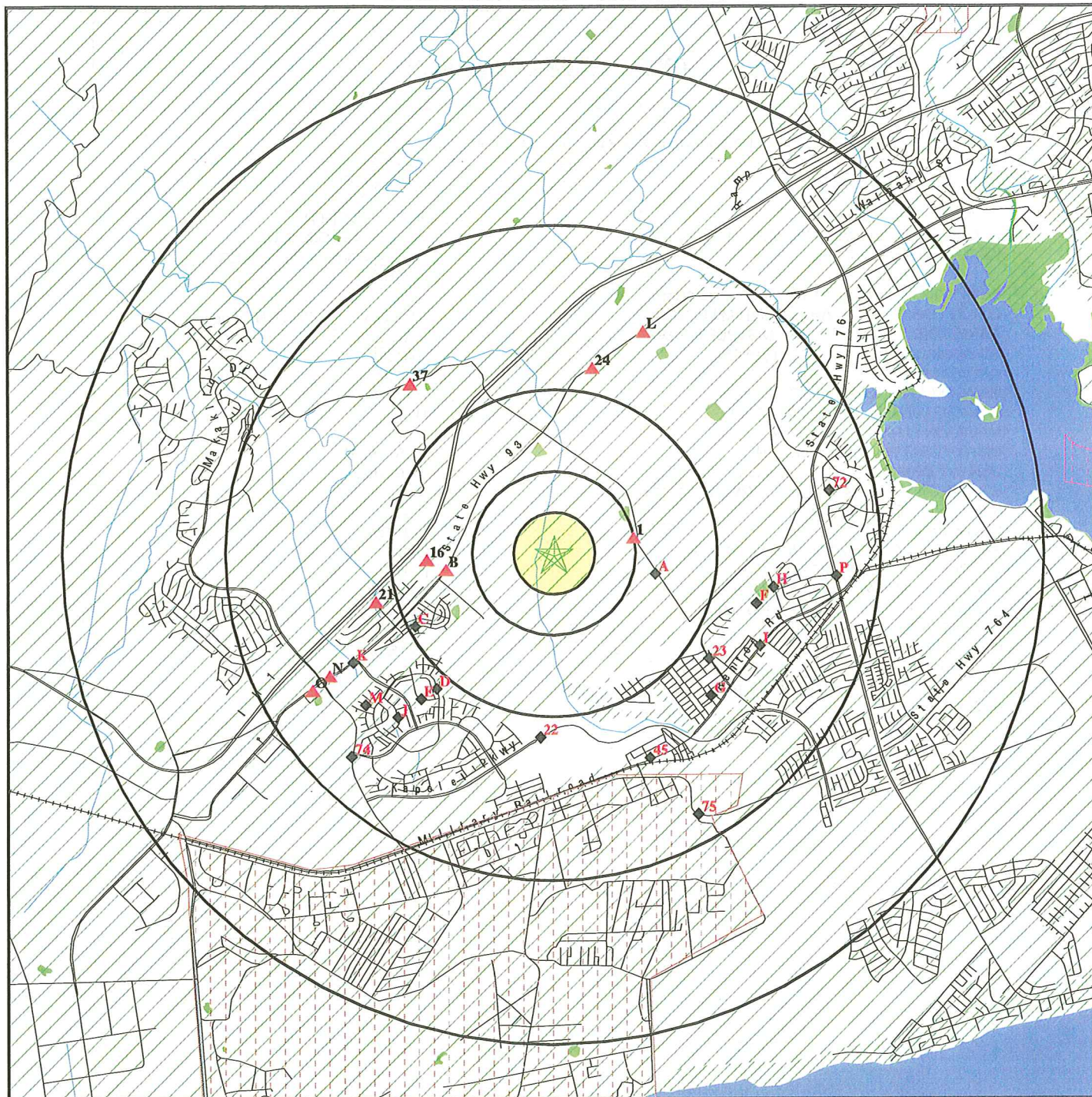
ISLAND PACIFIC SCHOOL
EWA SUGAR MILL/OAHU SUGAR CO. - PE
KAPOLEI PIPELINE FUEL SPILL

PUMP 15 STATION, FORMER OAHU SUGAR
LOT 32 FORMER WAIPAHU SUGAR MILL A
ABANDONED DRUMS WAIPAHU STREET DUM
WAIMANALO GULCH LANDFILL, EWA
KAPOLEI SHELL
KSSK-FM TRANSMITTER SITE
BANK OF HAWAII - HALE O KAPOLEI
MAUNA KAPU RADIO STATION
INSITUFORM TECHNOLOGIES INC
USNAVY DRMO HAWAII KALAELOA
EAST KAPOLEI 215 4.0 MG RESERVOIR
KAPOLEI STATE BUILDING
VILLAGES OF KAPOLEI
KAPOLEI CITY - RESTORATION OF KAPO
KAPOLEI PACIFIC CENTER
HARDWARE HAWAII KAPOLEI BUSINE
KAPOLEI CITY URBAN CORE 3 ROADS
BWS VILLAGES OF KAPOLEI
KIEWIT PACIFIC, CO.
MAKAKILO TEXACO
ARCO AM/PM #82109 (TEXACO 61-100-0
ARCO 82109

Database(s)

FTTS, HIST FTTS
SHWS, INST CONTROL
SHWS, FINDS, SPILLS, INST
CONTROL
SHWS
SHWS, VCP, INST CONTROL
SHWS
SWF/LF
LUST
UST
UST
UST
RCRA-SQG
RCRA-LQG
FINDS
FINDS
FINDS
FINDS
FINDS
FINDS
FINDS
FINDS
FINDS
FINDS
MLTS
ICIS
ICIS
ICIS

OVERVIEW MAP - 2384685.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

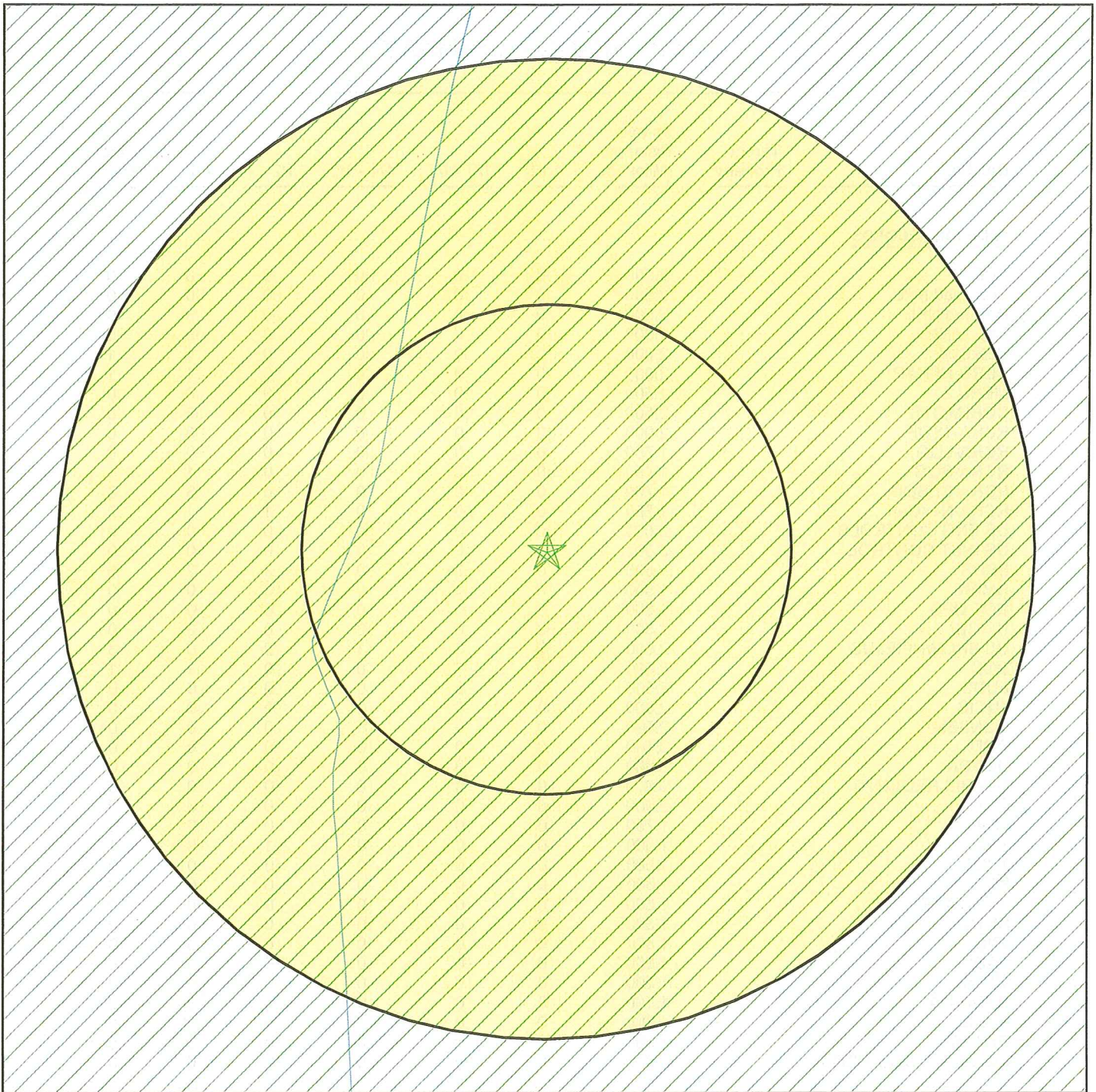
- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: East Kapolei Sites
 ADDRESS: Farrington Highway
 Kapolei HI 96706
 LAT/LONG: 21.3515 / 158.0540

CLIENT: Environet
 CONTACT: Stephanie Davis
 INQUIRY #: 2384685.2s
 DATE: December 17, 2008 1:53 pm

DETAIL MAP - 2384685.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ☒ National Priority List Sites
- ☒ Dept. Defense Sites

- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines
- ☒ 100-year flood zone
- ☒ 500-year flood zone

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: East Kapolei Sites
 ADDRESS: Farrington Highway
 Kapolei HI 96706
 LAT/LONG: 21.3515 / 158.0540

CLIENT: Environet
 CONTACT: Stephanie Davis
 INQUIRY #: 2384685.2s
 DATE: December 17, 2008 1:53 pm

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>FEDERAL RECORDS</u>								
NPL		2.500	0	0	0	0	0	0
Proposed NPL		2.500	0	0	0	0	0	0
Delisted NPL		2.500	0	0	0	0	0	0
NPL LIENS		1.500	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	1	1
CERC-NFRAP		2.000	0	0	0	0	1	1
LIENS 2		1.500	0	0	0	0	0	0
CORRACTS		2.500	0	0	0	0	0	0
RCRA-TSDF		2.000	0	0	0	0	0	0
RCRA-LQG		1.750	0	0	0	0	0	0
RCRA-SQG		1.750	0	0	0	0	1	1
RCRA-CESQG		1.750	0	0	0	0	3	3
RCRA-NonGen		1.750	0	0	0	1	1	2
US ENG CONTROLS		2.000	0	0	0	0	0	0
US INST CONTROL		2.000	0	0	0	0	0	0
ERNS		1.500	0	0	0	3	2	5
HMIRS		1.500	0	0	0	0	0	0
DOT OPS		1.500	0	0	0	0	0	0
US CDL		1.500	0	0	0	0	0	0
US BROWNFIELDS		2.000	0	0	1	2	0	3
DOD		2.500	0	0	0	0	1	1
FUDS		2.500	0	0	0	0	0	0
LUCIS		2.000	0	0	0	0	0	0
CONSENT		2.500	0	0	0	0	0	0
ROD		2.500	0	0	0	0	0	0
UMTRA		2.000	0	0	0	0	0	0
DEBRIS REGION 9		2.000	0	0	0	0	0	0
ODI		2.000	0	0	0	0	0	0
MINES		1.750	0	0	0	0	0	0
TRIS		1.500	0	0	0	1	0	1
TSCA		1.500	0	0	0	0	0	0
FTTS		1.500	0	0	0	0	0	0
HIST FTTS		1.500	0	0	0	0	0	0
SSTS		1.500	0	0	0	0	0	0
ICIS		1.500	0	0	0	0	0	0
PADS		1.500	0	0	0	0	0	0
MLTS		1.500	0	0	0	0	0	0
RADINFO		1.500	0	0	0	0	0	0
FINDS		1.500	0	0	0	5	23	28
RAATS		1.500	0	0	0	0	0	0
SCRD DRYCLEANERS		2.000	0	0	0	0	0	0
<u>STATE AND LOCAL RECORDS</u>								
SHWS		2.500	0	0	0	2	5	7
SWF/LF		2.000	0	0	0	0	0	0
LUST		2.000	0	0	0	1	6	7
UST		1.750	0	0	0	1	13	14

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SPILLS		1.500	0	0	0	3	9	12
INST CONTROL		2.000	0	0	0	0	4	4
VCP		2.000	0	0	0	0	0	0
DRYCLEANERS		1.750	0	0	0	0	0	0
BROWNFIELDS		2.000	0	0	0	0	0	0
AIRS		1.500	0	0	0	2	0	2
TRIBAL RECORDS								
INDIAN RESERV		2.500	0	0	0	0	0	0
INDIAN ODI		2.000	0	0	0	0	0	0
INDIAN LUST		2.000	0	0	0	0	0	0
INDIAN UST		1.750	0	0	0	0	0	0
INDIAN VCP		2.000	0	0	0	0	0	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		2.500	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DOD
Region
SSE
> 1
7416 ft.

BARBERS POINT NAVAL AIR STATION (CLOSED)

DOD CUSA147755
N/A

BARBERS POINT NAVAL AIR S (County), HI

DOD:

Feature 1: Navy DOD
Feature 2: Not reported
Feature 3: Not reported
URL: Not reported
Name 1: Barbers Point Naval Air Station (Closed)
Name 2: Not reported
Name 3: Not reported
State: HI
DOD Site: Yes
Tile name: HIHONOLULU

1
East
1/4-1/2
0.497 mi.
2623 ft.

EAST KAPOLEI PESTICIDE MIXING & LOADING
UNKNOWN
KAPOLEI, HI 96706

US BROWNFIELDS 1010082399
N/A

Relative:
Equal

Actual:
98 ft.

US BROWNFIELDS:

Recipient name: Hawaii Department of Business, Economic Development, and Tourism
Project name: Hawaii Dept Bus,Econ&Tourism(A04)
Property name: East Kapolei Pesticide Mixing & Loading
Parcel #: Portion of Tax Map Key 1-9-1-017:88
Parcel size: 0.63000
Latitude: 21.35289
Longitude: 158.04644
Region: 9
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: World Geodetic System of 1984
ACRES property ID: 37526
Start date: 9/30/2004
Completed date: 9/30/2004
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): 0.00000
Ownership entity: Government
Current use: Not reported
Current owner: Hawaii Department of Land and Natural Resources
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Not reported
Usage type: Not reported
Not in state/tribal program: Yes
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Unknown

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST KAPOLEI PESTICIDE MIXING & LOADING (Continued)

1010082399

NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Yes
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

Recipient name: Hawaii Department of Business, Economic Development, and Tourism
Project name: Hawaii Dept Bus,Econ&Tourism(A04)
Property name: East Kapolei Pesticide Mixing & Loading
Parcel #: Portion of Tax Map Key 1-9-1-017:88
Parcel size: 0.63000
Latitude: 21.35289
Longitude: 158.04644
Region: 9
HCM label: Not reported
Map scale: Not reported
Point of reference: Not reported
Datum: World Geodetic System of 1984
ACRES property ID: 37526
Start date: 4/1/2007
Completed date: 4/1/2007

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST KAPOLEI PESTICIDE MIXING & LOADING (Continued)

1010082399

Accomplishment type: Phase II Environmental Assessment
Accomplishment (acres): 0.00000
Ownership entity: Government
Current use: Not reported
Current owner: Hawaii Department of Land and Natural Resources
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Not reported
Usage type: Not reported
Not in state/tribal program: Yes
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Unknown
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Yes
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST KAPOLEI PESTICIDE MIXING & LOADING (Continued)

1010082399

Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

Property Description: Agricultural land/sugar cultivation/Campbell Estate, Hawaii Department of Natural Resources

A2
ESE
1/2-1
0.635 mi.
3355 ft.

**EAST KAPOLEI PROPERTY
1 MILE SOUTHEAST OF HIGHWAY 1
EWA, HI 96709**

**US BROWNFIELDS 1009569565
N/A**

Site 1 of 2 in cluster A

Relative:
Lower

US BROWNFIELDS:

Actual:
82 ft.

Recipient name: R9 TBA (STAG Funded)
Project name: R9 TBA (STAG Funded)
Property name: East Kapolei Property
Parcel #: TMK 1-9-1-017:071, TMK 1-9-1-017:088
Parcel size: 400.00000
Latitude: 21.34966
Longitude: -158.04434
Region: 9
HCM label: Global Positioning Method-Unspecified Parameters
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 22861
Start date: 10/1/2005
Completed date: 2/1/2006
Accomplishment type: Phase II Environmental Assessment
Accomplishment (acres): 0.00000
Ownership entity: Government
Current use: Not reported
Current owner: Hawaii Department of Land and Natural Resources
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Yes
Usage type: Not reported
Not in state/tribal program: Not reported
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Not reported
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST KAPOLEI PROPERTY (Continued)

1009569565

Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Yes
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Not reported
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Yes
VOCs cleaned: Not reported

Recipient name: R9 TBA (STAG Funded)
Project name: R9 TBA (STAG Funded)
Property name: East Kapolei Property
Parcel #: TMK 1-9-1-017:071, TMK 1-9-1-017:088
Parcel size: 400.00000
Latitude: 21.34966
Longitude: -158.04434
Region: 9
HCM label: Global Positioning Method-Unspecified Parameters
Map scale: Not reported
Point of reference: Center of a Facility or Station
Datum: World Geodetic System of 1984
ACRES property ID: 22861
Start date: 9/1/2004
Completed date: 9/1/2004
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): 0.00000
Ownership entity: Government
Current use: Not reported
Current owner: Hawaii Department of Land and Natural Resources
Past use flag: Not reported
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EAST KAPOLEI PROPERTY (Continued)

1009569565

Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: Not reported
Photo available: Yes
Usage type: Not reported
Not in state/tribal program: Not reported
IC data address: Not reported
IC in place date: Not reported
IC in place flag: Unknown
IC required flag: Not reported
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Yes
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported
No media found: Not reported
No media cleaned up: Not reported
Other found: Not reported
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Yes
VOCs cleaned: Not reported

Property Description:

Agricultural land with planted and fallow fields and a half acre formerly used for pesticides storage and loading; sugar cane plantation from 1890 to 1994

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A3 DHHL-EAST KAPOLEI AFFORDABLE HOUSING
ESE NOT APPLICABLE
1/2-1 KAPOLEI, HI 96707
0.654 mi.
3453 ft. Site 2 of 2 in cluster A

US BROWNFIELDS 1010340830
N/A

Relative:
Lower

US BROWNFIELDS:

Actual:
81 ft.

Recipient name: Hawaii Department of Health
Project name: Hawaii Dept. of Health (ST03)
Property name: DHHL-East Kapolei Affordable Housing
Parcel #: TMKs: 1-9-017-071; 1-9-017-088; 1-9-1-017-86; 1-9-1-018-005; 1-9-1-016-008
Parcel size: 542.00000
Latitude: 21.34940
Longitude: -158.04410
Region: 9
HCM label: Unknown
Map scale: Not reported
Point of reference: Other Point
Datum: World Geodetic System of 1984
ACRES property ID: 58301
Start date: 3/1/2004
Completed date: 9/30/2004
Accomplishment type: Phase I Environmental Assessment
Accomplishment (acres): 0.00000
Ownership entity: Government
Current use: Not reported
Current owner: Not reported
Past use flag: Yes
Future use flag: Not reported
Cleanup required: Yes
Proprietary controls: Yes
Gov. control: Not reported
Enforcement permit tools: Not reported
Info. devices: Not reported
Video available: No
Photo available: No
Usage type: Commercial
Not in state/tribal program: Yes
IC data address: Not reported
IC in place date: 9/18/2007
IC in place flag: No
IC required flag: Yes
NFA issue date: Not reported
State and tribal program date: Not reported
State and tribal program ID: Not reported
Air contaminated: Not reported
Air cleaned: Not reported
Asbestos found: Not reported
Asbestos cleaned: Not reported
Controlled substance found: Not reported
Controlled substance cleaned: Not reported
Drinking water affected: Not reported
Drinking water cleaned: Not reported
Groundwater affected: Not reported
Groundwater cleaned: Not reported
Lead contaminant found: Not reported
Lead cleaned up: Not reported
None found: Not reported
None cleaned up: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

DHHL-EAST KAPOLEI AFFORDABLE HOUSING (Continued)

1010340830

No media found: Not reported
No media cleaned up: Not reported
Other found: Yes
Other cleaned up: Not reported
Other metals found: Yes
Other metals cleaned: Not reported
PAHs found: Not reported
PAHs cleaned up: Not reported
PCBs found: Not reported
PCBs cleaned up: Not reported
Petro products found: Not reported
Petro products cleaned: Not reported
Sediments found: Not reported
Sediments cleaned: Not reported
Soil affected: Yes
Soil cleaned up: Not reported
Surface water affected: Not reported
Surface water cleaned: Not reported
Unknown found: Not reported
Unknown cleaned: Not reported
Unknown media: Not reported
Unknown media cleaned: Not reported
VOCs found: Not reported
VOCs cleaned: Not reported

Property Description: The property was owned by the Department of Land and Natural Resources and more recently transferred to the Department of Hawaiian Homelands to develop affordable housing. (PPF-2/22/07)

B4 92-200 FARRINGTON HWY
West 92-200 FARRINGTON HWY
1/2-1 KAPOLEI, HI 96707
0.665 mi.
3511 ft. Site 1 of 12 in cluster B

ERNS 2006789824
N/A

Relative: Click this hyperlink while viewing on your computer to access
Higher additional ERNS detail in the EDR Site Report.

Actual: 123 ft.
B5 GRACE PACIFIC CORPORATION
West 91-920 FARRINGTON HIGHWAY/VARIOUS LOCATIONS
1/2-1 KAPOLEI, HI
0.665 mi.
3511 ft. Site 2 of 12 in cluster B

AIRS S107769183
N/A

Relative: HI AIRS:
Higher Facility ID: 0045-01-C
Island: Oahu
Actual: Mailing Address: P.O. Box 78
123 ft. Locale: Not reported
Mailing City, St, Zip: Honolulu, 12 96810
Contact Name: Christopher Steele
Contact Title: Environmental Compliance Manager
Description: 400 TPH Non-Portable Plant, 150 TPH Screening Plant, 600 TPH Screening Plant and 600 TPH Recycled Aggregate Plant with 1,000 kW Diesel Engine Generator
This permit encompasses the following equipment and associated appurtenances:
a. 400TPH N334 TPH Asphalt Plant The 334 TPH Asphalt Plant encompasses the following equipment and associated appurtenances: a. One (1) 334 TPH Astec double-barrel, counter-flow drum mixer, model PDDC-835C, serial

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION (Continued)

S107769183

no. 92-152; b. One (1) 900 kW Cummins dieselengin

Facility ID: 0045-02-CT
Island: Oahu
Mailing Address: P.O. Box 78
Locale: Not reported
Mailing City,St,Zip: Honolulu, 12 96810
Contact Name: Scott Komatsu
Contact Title: Plant Manager
Description: 400 TPH Non-Portable Plant, 150 TPH Screening Plant, 600 TPH Screening Plant and 600 TPH Recycled Aggregate Plant with 1,000 kW Diesel Engine Generator
This permit encompasses the following equipment and associated appurtenances:
a. 400TPH N334 TPH Asphalt Plant The 334 TPH Asphalt Plant
encompasses the following equipment and associated appurtenances: a. One (1)
334 TPH Astec double-barrel, counter-flow drum mixer, model PDDC-835C, serial
no. 92-152; b. One (1) 900 kW Cummins dieselengin

B6
West
1/2-1
0.665 mi.
3511 ft.

HECO GENERATING STATION: KAHE
92-200 FARRINGTON HWY
KAPOLEI, HI 96707

FINDS 1009790861
110027161586

Site 3 of 12 in cluster B

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
123 ft.

Not reported

B7
West
1/2-1
0.665 mi.
3511 ft.

HAWAIIAN ELECTRIC CO INC KAHE GENERATING STATION
92-200 FARRINGTON HWY
KAPOLEI, HI 96707

TRIS 1005454962
96792KHGNR89

Site 4 of 12 in cluster B

Relative:
Higher

Actual:
123 ft.

B8

HECO GENERATING STATION: KAHE KEROSENE RELEASE
92-200 FARRINGTON HWY
KAPOLEI, HI 96707

SHWS S106817432
SPILLS N/A

West
1/2-1
0.665 mi.
3511 ft.

Site 5 of 12 in cluster B

Relative:
Higher

SHWS:
File Under: Hawaiian Electric Co., Inc. (HECO)
Supplement: Not reported
Restricted Use: Not reported
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Kahe Generating Station Hydraulic Fluid Release
Fed Id: Not reported
Funding: Admin
Agreement/program: Admin
Sitelist Name: Kahe Generating Station Hydraulic Fluid Release

Actual:
123 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Activity Type: Format File Folder
Assignment Date: 8/14/2006
Activity Lead: Laura Young
Assignment End Date: 8/14/2006
End fill: 8/14/2006
Result fill: Complete
Overall Status: Admin

File Under: Hawaiian Electric Co., Inc. (HECO)
Supplement: Not reported
Restricted Use: Not reported
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Kahe Generating Station Kerosene Release
Fed Id: Not reported
Funding: S FY 1997
Agreement/program: State Site
Sitelist Name: Kahe Generating Station Kerosene Release
Activity Type: ISST
Assignment Date: 6/27/1997
Activity Lead: Unknown
Assignment End Date: 6/27/1997
End fill: 6/27/1997
Result fill: ISST Ranked NFA
Overall Status: SDAR NFA

File Under: Hawaiian Electric Co., Inc. (HECO)
Supplement: Not reported
Restricted Use: Not reported
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Hawaiian Electric Co.-Kahe Generating Station
Fed Id: HIT000610923
Funding: S FY 1998
Agreement/program: State Site
Sitelist Name: Hawaiian Electric Co.-Kahe Generating Station
Activity Type: ISST
Assignment Date: 8/24/1997
Activity Lead: Unknown
Assignment End Date: 8/25/1997
End fill: 8/25/1997
Result fill: ISST Ranked NFA
Overall Status: SDAR NFA

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19961031-1124
Units: Kahe Generating Station Kerosene Release from Drum
Substances: Kerosene Fuel
Less Or Greater Than: Not reported
Numerical Quantity: 25
Units: Gallons
Activity Type: Response
Assignment Date: 10/31/1996
Activity Lead: Not reported
Assignment End Date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Result: 8
File Under: Hawaiian Electric Co., Inc. (HECO)
Incident: LeakingLost 25-30 gallons of hydraulic fluid to the soil.Sulfuric acid spilled at the plant and was reported to Mr. Mike Choy late yesterday afternoon. The release contained in the berm, approx. 80 gal of 99 pure acid.Vertan cleaning solution for Boilers, PH2. Overpressurized Boiler during cleaning, overpowered relief valve on Saturday 9/4/99 at 0900.Water line ruptured , 15 lbs of asbestos insulation spilled on 6th floor boiler and into air.Impact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Hose between drum and pump was disconnected. Liquid in the hose spilled out. Liquid is waste boiler cleaning solution.Low sulfur fuel oil release about 2:00 am. , >25 gals. Change burners that fire burners, steam valves did not close tightly. Written 12/4/02 Debris under burnerfront scavenging stream valve prevented it from fully closing. LSFO able to enter ContImpact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Oil Sheen seen in the secondary Intake Basin.While bringing Generator # 6 on line Circuit Breaker #250 exploded. Spilling approx. 25 gals into the cooling pond, the remainder is contained within the Transformer Yard.Due to an accident hydraulic oil was released into the storm drain. sosc
Initial: HECO had the site cleaned up. Will follow a written report.Excavating soil now.HECO recovered the spill and placed in wastewater treatment tank; still working on some residue left at the site. Maintenance repairing defective gauge.Notification only.Hired contractors and used own asbestos qualified employees to remove material. Wet and sweep up asbestos,put in double bags for disposal by Ohana Environmental . Written 7/5/02 Ruptured line was isolated, halting release. cont SOSCSReceived call from Mr. Andy Keith to inform me of incident at Kahe generating Plant. Fire contained by HFD and clean-up is being done.Area cleaned-up by contractor.Product recovered from containment and put in wastewater treatment system.
Report: ISST investigation completed.Cont. steam line. Via steam line, oil worked its wayand escaped from a) oil separation tank, b) crack in underground piping leading from oil separation tank to waste water sump. A) "black top" area Ewa of unit 3&4, b) soil under roadway were impaOn 3-17-04 at 10:15 I received a call from Mr. Kirk Tomita of HECO. Mr. Tomita informed me that they have noticed a oil sheen I their secondary Intake Basin. They have shut the intake off and contained the area with sorbet booms. He is sending aAt 1427 I received call from Glen Murata of HECO. Mr. Murata informed me that a forklift was in an accident and hydraulic oil was released into the storm drain. At 1500 I received another call from Mr. Murata to inform me that the hydraulic oiarea isolated from non-asbestos qualified personnel. Continued action as called in. Cleanup finished 06/20/02 at 12:00.grew tl relected.

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19961129-1148
Units: Kahe Power Plant Hydraulic Fluid Release
Substances: Hydraulic Fluid
Less Or Greater Than: Not reported
Numerical Quantity: 30
Units: Gallons
Activity Type: Response
Assignment Date: 11/29/1996
Activity Lead: Terry Corpus

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Assignment End Date: Not reported

Result: 8

File Under: Hawaiian Electric Co., Inc. (HECO)

Incident: LeakingLost 25-30 gallons of hydraulic fluid to the soil.Sulfuric acid spilled at the plant and was reported to Mr. Mike Choy late yesterday afternoon. The release contained in the berm, approx. 80 gal of 99 pure acid.Vertan cleaning solution for Boilers, PH2. Overpressurized Boiler during cleaning, overpowered relief valve on Saturday 9/4/99 at 0900.Water line ruptured , 15 lbs of asbestos insulation spilled on 6th floor boiler and into air.Impact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Hose between drum and pump was disconnected. Liquid in the hose spilled out. Liquid is waste boiler cleaning solution.Low sulfur fuel oil release about 2:00 am. , >25 gals. Change burners that fire burners, steam valves did not close tightly. Written 12/4/02 Debris under burnerfront scavenging stream valve prevented it from fully closing. LSFO able to enter ContImpact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Oil Sheen seen in the secondary Intake Basin.While bringing Generator # 6 on line Circuit Breaker #250 exploded. Spilling approx. 25 gals into the cooling pond, the remainder is contained within the Transformer Yard.Due to an accident hydraulic oil was released into the storm drain. sosc

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Island: Oahu

Supplemental Loc. Text: Not reported

Case Number: 19990907-0806

Units: Kahe Power Plant, Vertan Spill

Substances: Vertan

Less Or Greater Than: Not reported

Numerical Quantity: 100

Units: Gallons

Activity Type: Response

Assignment Date: 9/7/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Activity Lead: Mike Cripps
Assignment End Date: Not reported
Result: 8
File Under: Hawaiian Electric Co., Inc. (HECO)
Incident: LeakingLost 25-30 gallons of hydraulic fluid to the soil.Sulfuric acid spilled at the plant and was reported to Mr. Mike Choy late yesterday afternoon. The release contained in the berm, approx. 80 gal of 99 pure acid.Vertan cleaning solution for Boilers, PH2. Overpressurized Boiler during cleaning, overpowered relief valve on Saturday 9/4/99 at 0900.Water line ruptured , 15 lbs of asbestos insulation spilled on 6th floor boiler and into air.Impact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Hose between drum and pump was disconnected. Liquid in the hose spilled out. Liquid is waste boiler cleaning solution.Low sulfur fuel oil release about 2:00 am. , >25 gals. Change burners that fire burners, steam valves did not close tightly. Written 12/4/02 Debris under burnerfront scavenging stream valve prevented it from fully closing. LSFO able to enter ContImpact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Oil Sheen seen in the secondary Intake Basin.While bringing Generator # 6 on line Circuit Breaker #250 exploded. Spilling approx. 25 gals into the cooling pond, the remainder is contained within the Transformer Yard.Due to an accident hydraulic oil was released into the storm drain. sosc
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Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19990113-1005
Units: Kahe Power Plant
Substances: Sulfuric Acid
Less Or Greater Than: Not reported
Numerical Quantity: 80
Units: Gallons
Activity Type: Response

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Assignment Date: 1/13/1999
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8

File Under: Hawaiian Electric Co., Inc. (HECO)

Incident: LeakingLost 25-30 gallons of hydraulic fluid to the soil.Sulfuric acid spilled at the plant and was reported to Mr. Mike Choy late yesterday afternoon. The release contained in the berm, approx. 80 gal of 99 pure acid.Vertan cleaning solution for Boilers, PH2. Overpressurized Boiler during cleaning, overpowered relief valve on Saturday 9/4/99 at 0900.Water line ruptured , 15 lbs of asbestos insulation spilled on 6th floor boiler and into air.Impact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Hose between drum and pump was disconnected. Liquid in the hose spilled out. Liquid is waste boiler cleaning solution.Low sulfur fuel oil release about 2:00 am. , >25 gals. Change burners that fire burners, steam valves did not close tightly. Written 12/4/02 Debris under burnerfront scavenging stream valve prevented it from fully closing. LSFO able to enter ContImpact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Oil Sheen seen in the secondary Intake Basin.While bringing Generator # 6 on line Circuit Breaker #250 exploded. Spilling approx. 25 gals into the cooling pond, the remainder is contained within the Transformer Yard.Due to an accident hydraulic oil was released into the storm drain. sosc

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Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20020618-1413
Units: Abestos lined water pipe ruptured
Substances: Asbestos (Pipe insulation)
Less Or Greater Than: Not reported
Numerical Quantity: 15
Units: Pounds

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HECO GENERATING STATION: KAHE KEROSENE RELEASE (Continued)

S106817432

Activity Type: Response
Assignment Date: 6/18/2002
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Hawaiian Electric Co., Inc. (HECO)
Incident: LeakingLost 25-30 gallons of hydraulic fluid to the soil.Sulfuric acid spilled at the plant and was reported to Mr. Mike Choy late yesterday afternoon. The release contained in the berm, approx. 80 gal of 99 pure acid.Vertan cleaning solution for Boilers, PH2. Overpressurized Boiler during cleaning, overpowered relief valve on Saturday 9/4/99 at 0900.Water line ruptured , 15 lbs of asbestos insulation spilled on 6th floor boiler and into air.Impact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Hose between drum and pump was disconnected. Liquid in the hose spilled out. Liquid is waste boiler cleaning solution.Low sulfur fuel oil release about 2:00 am. , >25 gals. Change burners that fire burners, steam valves did not close tightly. Written 12/4/02 Debris under burnerfront scavenging stream valve prevented it from fully closing. LSFO able to enter ContImpact damage of chemical lines resulted in the releas of Hydrochloric Acid (31.5) (2 gallons/19 lbs) and Sodium Hypochlorite (12.5) (2 gallons/20 lbs). Commingling of these two chemicals emitted a small amount (<1 lb) of chlorine gas.Oil Sheen seen in the secondary Intake Basin.While bringing Generator # 6 on line Circuit Breaker #250 exploded. Spilling approx. 25 gals into the cooling pond, the remainder is contained within the Transformer Yard.Due to an accident hydraulic oil was released into the storm drain. sosc
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[Click this hyperlink](#) while viewing on your computer to access 7 additional HI SPILLS: record(s) in the EDR Site Report.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B9 HAWAIIAN ELECTRIC COMPANY (HECO)-KAHE GENERATING STATION FINDS 1006821106
West 92-200 FARRINGTON HWY 110013791502
1/2-1 KAPOLEI, HI 96707
0.665 mi.
3511 ft. Site 6 of 12 in cluster B

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual: The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii
123 ft. state regulatory program relating to environmental compliance and
hazardous materials that ensures that program areas and facilities are
in compliance with environmental regulations

B10 GRACE PACIFIC CORPORATION - MAKAKILO QUARRY SHWS S106817192
West 91-920 FARRINGTON HWY SPILLS N/A
1/2-1 MAKAKILO, HI 96706
0.666 mi.
3516 ft. Site 7 of 12 in cluster B

Relative: SHWS:
Higher File Under: Grace Pacific Corporation
Supplement: Not reported
Actual: Restricted Use: Not reported
123 ft. Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Grace Pacific Corporation - Makakilo Quarry
Fed Id: Not reported
Funding: Report Ongoing
Agreement/program: State Site Program
Sitelist Name: Grace Pacific Corporation - Makakilo Quarry
Activity Type: File Review
Assignment Date: 5/20/2004
Activity Lead: Richard Palmer
Assignment End Date: Not reported
End fill: 4/4/2008
Result fill: Ongoing
Overall Status: Ongoing EI (Environmental Interest)

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19950915-2
Units: Grace Pacific
Substances: Hydraulic Fluid
Less Or Greater Than: Not reported
Numerical Quantity: 82
Units: Gallons
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Grace Pacific Corporation
Incident: Unocal delivery of oil; during transfer from truck, person went to use
restroom, upon his return, found oil flowing from tank. Caller smells
diesel/petroleum like odor. Caller and on duty OSC live in Kapolei (Malanai
Village & Kumu Village). Little to no winds both detect odor from NE. DOH

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION - MAKAKILO QUARRY (Continued)

S106817192

received 3 calls regarding incident. Asphalt cement release onto paved area;
cause: Overflow of holding tank from tanker truck. Hydraulic oil leaked from
broken hydraulic line from asphalt spreader parked in yard. Mini booms & kitty
litter were deployed from onsite spill kits. All oil absorbed and all used
material bagged. Tank overflow during loading Hot Asphalt Cement released during
truck loading. Suspect it was mishap during loading operations.
Initial: Fire & Police Depts. responded identified source: Grace Pacific. Talked to GP
Rep, Steve said last night asphalt plant mixed cold mix asphalt. The light
fuel used in cold mix caused odor. Steve said cold mix shouldn't be mixed at
night. Sprayed water to harden the material. Physical removal. Turned off pump,
contained oil, and cleaned up impacted areas.
Report: Problem was contained and cleaned up. Follow up report states Unocal personnel
performed cleanup with absorbent pads, kitty litter, and salvage drums.
Spilled oil was contained on a concrete pad and adjoining asphalt driveway. A
cleanup contractor was

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19960129-2100
Units: Grace Pacific Corp. Asphalt Plant
Substances: Petroleum
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 1/29/1996
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Grace Pacific Corporation
Incident:

Unocal delivery of oil; during transfer from truck, person went to use
restroom, upon his return, found oil flowing from tank. Caller smells
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Report: Problem was contained and cleaned up. Follow up report states Unocal personnel
performed cleanup with absorbent pads, kitty litter, and salvage drums.
Spilled oil was contained on a concrete pad and adjoining asphalt driveway. A
cleanup contractor was

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20041028-1510
Units: Asphalt Cement Spill
Substances: Asphalt Cement
Less Or Greater Than: Not reported
Numerical Quantity: 500

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION - MAKAKILO QUARRY (Continued)

S106817192

Units: Gallons
Activity Type: Response
Assignment Date: 10/28/2004
Activity Lead: Paul Chong
Assignment End Date: 10/28/2004
Result: 8
File Under: Grace Pacific Corporation
Incident: Unocal delivery of oil; during transfer from truck, person went to use restroom, upon his return, found oil flowing from tank. Caller smells diesel/petroleum like odor. Caller and on duty OSC live in Kapolei (Malanai Village & Kumu Village). Little to no winds both detect odor from NE. DOH received 3 calls regarding incident. Asphalt cement release onto paved area; cause: Overflow of holding tank from tanker truck. Hydraulic oil leaked from broken hydraulic line from asphalt spreader parked in yard. Mini booms & kitty litter were deployed from onsite spill kits. All oil absorbed and all used material bagged. Tank overflow during loading. Hot Asphalt Cement released during truck loading. Suspect it was mishap during loading operations.
Initial: Fire & Police Depts. responded identified source: Grace Pacific. Talked to GP Rep, Steve said last night asphalt plant mixed cold mix asphalt. The light fuel used in cold mix caused odor. Steve said cold mix shouldn't be mixed at night. Sprayed water to harden the material. Physical removal. Turned off pump, contained oil, and cleaned up impacted areas.
Report: Problem was contained and cleaned up. Follow up report states Unocal personnel performed cleanup with absorbent pads, kitty litter, and salvage drums. Spilled oil was contained on a concrete pad and adjoining asphalt driveway. A cleanup contractor was

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20030728-1115
Units: Makakilo Shop Yard
Substances: Hydraulic Oil
Less Or Greater Than: Not reported
Numerical Quantity: 40
Units: Gallons
Activity Type: Response
Assignment Date: 7/28/2003
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Grace Pacific Corporation
Incident: Unocal delivery of oil; during transfer from truck, person went to use restroom, upon his return, found oil flowing from tank. Caller smells diesel/petroleum like odor. Caller and on duty OSC live in Kapolei (Malanai Village & Kumu Village). Little to no winds both detect odor from NE. DOH received 3 calls regarding incident. Asphalt cement release onto paved area; cause: Overflow of holding tank from tanker truck. Hydraulic oil leaked from broken hydraulic line from asphalt spreader parked in yard. Mini booms & kitty litter were deployed from onsite spill kits. All oil absorbed and all used material bagged. Tank overflow during loading. Hot Asphalt Cement released during truck loading. Suspect it was mishap during loading operations.
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Report: Problem was contained and cleaned up. Follow up report states Unocal personnel

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION - MAKAKILO QUARRY (Continued)

S106817192

performed cleanup with absorbent pads, kitty litter, and salvage drums.
Spilled oil was contained on a concrete pad and adjoining asphalt driveway. A
cleanup contractor was

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20050707-0915
Units: Asphalt Cement Above-Ground Storage Tanks Release
Substances: Asphalt Cement
Less Or Greater Than: Not reported
Numerical Quantity: 300
Units: Gallons
Activity Type: Response
Assignment Date: 7/7/2005
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: 8
File Under: Grace Pacific Corporation
Incident: Unocal delivery of oil; during transfer from truck, person went to use
restroom, upon his return, found oil flowing from tank. Caller smells
diesel/petroleum like odor. Caller and on duty OSC live in Kapolei (Malanai
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[Click this hyperlink](#) while viewing on your computer to access
1 additional HI SPILLS: record(s) in the EDR Site Report.

B11
West
1/2-1
0.666 mi.
3516 ft.

91-920 FARRINGTON HWY
91-920 FARRINGTON HWY
KAPOLEI, HI 96707
Site 8 of 12 in cluster B

ERNS 2007324281
N/A

Relative:
Higher

[Click this hyperlink](#) while viewing on your computer to access
additional ERNS detail in the EDR Site Report.

Actual:
123 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B12
West
1/2-1
0.666 mi.
3516 ft.
MAKAKILO QUARRY
91-920 FARRINGTON HWY
MAKAKILO, HI 96707
Site 9 of 12 in cluster B

LUST
UST
U003221962
N/A

Relative:
Higher
Actual:
123 ft.
LUST:
Facility ID: 9-200221
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 19-Sep-96
Release ID: 960095
Project Officer: Jose Ruiz

UST:
Facility ID: 9-200221
Owner: GRACE PACIFIC CORPORATION
Owner Address: P. O. BOX 78
Owner City,St,Zip: Makakilo, 96707 96707

Tank ID: R-1
Date Installed: 4/10/1976
Tank Status: **Permanently Out of Use**
Date Closed: 4/13/1996
Tank Capacity: 10000
Substance: Diesel

Tank ID: R-2
Date Installed: 4/10/1976
Tank Status: **Permanently Out of Use**
Date Closed: 4/13/1996
Tank Capacity: 6000
Substance: Diesel

Tank ID: R-3
Date Installed: 4/10/1980
Tank Status: **Permanently Out of Use**
Date Closed: 12/1/1989
Tank Capacity: 500
Substance: Used Oil

B13
West
1/2-1
0.666 mi.
3516 ft.
91-920 FARRINGTON HIGHWAY
91-920 FARRINGTON HIGHWAY
KAPOLEI, HI 96707
Site 10 of 12 in cluster B

ERNS
2003652583
N/A

Relative:
Higher
[Click this hyperlink](#) while viewing on your computer to access additional ERNS detail in the EDR Site Report.

Actual:
123 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

B14
West
1/2-1
0.666 mi.
3516 ft.
HAWAIIAN CEMENT
91-920 FARRINGTON HIGHWAY
KAPOLEI, HI
Site 11 of 12 in cluster B

AIRS **S108633293**
N/A

Relative:
Higher

HI AIRS:

Facility ID: 0313-01-N
Island: Oahu
Mailing Address: Not reported
Locale: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Title: Not reported

Actual:
123 ft.

Description: 120 cy/hr Transit Mix Concrete Batching Plant This noncovered source permit encompasses the following equipment and associated appurtenances: a. 120 cy/hr Rex Portable Transit Mix Concrete Batch Plant; b. Baghouse No. 1, Dusty Dustless, model 36-IS, se

B15
West
1/2-1
0.666 mi.
3516 ft.
GRACE PACIFIC CORPORATION - MAKAKILO QUARRY
91-920 FARRINGTON HWY
MAKAKILO, HI 96706
Site 12 of 12 in cluster B

FINDS **1009798712**
110027171245

Relative:
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site

Actual:
123 ft.

Not reported

16
West
1/2-1
0.778 mi.
4106 ft.
GRACE PACIFIC CORPORATION CONCRETE AND ROCK
91-920 FARRINGTON HIGHWAY
EWA BEACH, HI 96706

FINDS **1000168473**
RCRA-NonGen **HID981367519**

Relative:
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site

Actual:
139 ft.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

The NEI (National Emissions Inventory) database contains information

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION CONCRETE AND ROCK (Continued)

1000168473

on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-NonGen:

Date form received by agency: 01/17/1989
Facility name: GRACE PACIFIC CORP
Facility address: 91920 FARRINGTON HWY
EWA, HI 96706
EPA ID: HID981367519
Mailing address: PO BOX 78
HONONLULU, HI 96810
Contact: ENVIRONMENTAL MANAGER
Contact address: 91920 FARRINGTON HWY
EWA, HI 96706
Contact country: US
Contact telephone: (808) 487-7916
Contact email: Not reported
EPA Region: 09
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: GRACE PACIFIC CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NOT REQUIRED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, ME 99999
Owner/operator country: Not reported
Owner/operator telephone: (415) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GRACE PACIFIC CORPORATION CONCRETE AND ROCK (Continued)

1000168473

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 09/25/2002
Date achieved compliance: Not reported
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 09/25/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/18/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

C17
WSW
1/2-1
0.956 mi.
5047 ft.
GARAGE VEHICLE SERVICE AREA OIL RELEASE
91-908 OANIANI ST
KAPOLEI, HI 96707
Site 1 of 2 in cluster C

SPILLS S106817154
N/A

Relative: HI SPILLS:
Lower Island: Oahu
Supplemental Loc. Text: entrance at rear
Actual: Case Number: 20001017-1438
93 ft. Units: Garage Vehicle Service Area Oil Release

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

GARAGE VEHICLE SERVICE AREA OIL RELEASE (Continued)

S106817154

Substances: Not reported
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 10/17/2000
Activity Lead: Mike Cripps
Assignment End Date: Not reported
Result: 8
File Under: Not reported
Incident: Garage has oil trail down to and into storm drain.
Initial: Not reported
Report: Bill Barry of USAF Environmental observed oil trail leading from business to storm drain

C18
WSW
1/2-1
0.956 mi.
5047 ft.

GARAGE VEHICLE SERVICE AREA OIL RELEASE
91-908 OANIANI ST
KAPOLEI, HI 96707

FINDS 1009802066
110027205263

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
93 ft.

Not reported

D19
SW
> 1
1.091 mi.
5762 ft.

KAPOLEI ELEMENTARY SCHOOL
91-1119 KAMAAHA LOOP
KAPOLEI, HI 96707

FINDS 1008310640
110036667292

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
71 ft.

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

D20
SW
> 1
1.091 mi.
5762 ft.

KAPOLEI ELEMENTARY COMMUNITY RECYCLING CENTER
91-1119 KAMAAHA LOOP
KAPOLEI, HI 96707

FINDS 1006874017
110014382097

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
71 ft.

HI-SW (Hawaii Office Of Solid Waste) coordinates a statewide P2 workgroup to enhance information sharing regarding solid waste

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

21 HOMEOWNER FINDS 1010426651
WSW 91-1504 HALAHINANO ST. 110032594413
> 1 KAPOLEI, HI 96707
1.123 mi.
5931 ft.

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual: Not reported
128 ft.

22 KAPOLEI MIDDLE SCHOOL FINDS 1008318024
South 91-5335 KAPOLEI PARKWAY 110036614553
> 1 KAPOLEI, HI 96707
1.127 mi.
5952 ft.

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: NCES (National Center for Education Statistics) is the primary federal
59 ft. entity for collecting and analyzing data related to education in the
United States and other nations and the institute of education
sciences.

23 EWA VILLAGES GOLF COURSE FINDS 1006820149
SE 91-1760 PARK ROW ST 110013780587
> 1 EWA BEACH, HI 96706
1.150 mi.
6074 ft.

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: Not reported
49 ft.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii
state regulatory program relating to environmental compliance and
hazardous materials that ensures that program areas and facilities are
in compliance with environmental regulations

24 KAHE POINT CABLE STATION UST U003732585
NNE 92-480 FARRINGTON HWY N/A
> 1 KAPOLEI, HI 96707
1.155 mi.
6098 ft.

Relative: UST:
Higher Facility ID: 9-203633
Owner: Pacific Carriage LTD
Owner Address: 92-480 Farrington Hwy.
Actual: 168 ft. Owner City,St,Zip: Kapolei, 96707 96707

Tank ID: M-1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KAHE POINT CABLE STATION (Continued)

U003732585

Date Installed: 11/1/1999
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 2500
Substance: Diesel

E25 **HECO TRANSFORMER 91-1089 NAMAHOE STREET**
SW **91-1089 NAMAHOE ST**
> 1 **KAPOLEI, HI 96707**

SPILLS **S106817505**
N/A

1.202 mi.
6349 ft.

Site 1 of 3 in cluster E

Relative:
Lower

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Makakilo
Case Number: 20021127-1052
Units: HECO Transformer 91-1089 Namahoe Street
Substances: Transformer Oil
Less Or Greater Than: Not reported
Numerical Quantity: 25
Units: Gallons
Activity Type: Response
Assignment Date: 11/27/2002
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: 8
File Under: Hawaiian Electric Co., Inc. (HECO)

Incident: Leak from rust-decayed transformer housing. Non PCB oil release. Amount first reported as greater than 25 gallons. Release was later determined to be approximately 8 gallons (non PCB transformer oil) during the cleanup effort.

Initial: Not reported
Report: Not reported

E26 **HECO TRANSFORMER 91-1089 NAMAHOE STREET**
SW **91-1089 NAMAHOE ST**
> 1 **KAPOLEI, HI 96707**

FINDS **1009790863**
110027161675

1.202 mi.
6349 ft.

Site 2 of 3 in cluster E

Relative:
Lower

FINDS:

Other Pertinent Environmental Activity Identified at Site

Actual:
71 ft.

Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E27 HECO TRANSFORMER 91-1089 NAMAHOE STREET FINDS 1006821134
SW 91-1089 NAMAHOE STREET 110013791842
> 1 MAKAKILO CITY, HI 96706
1.202 mi.
6349 ft. Site 3 of 3 in cluster E

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: 71 ft. The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

F28 EWA ELEMENTARY SCHOOL SPILLS S106817004
ESE RENTON RD N/A
> 1 EWA BEACH, HI 96706
1.276 mi.
6737 ft. Site 1 of 6 in cluster F

Relative: HI SPILLS:
Lower Island: Oahu
Supplemental Loc. Text: Not reported
Actual: Case Number: 19910411
56 ft. Units: Ewa Elementary School
Substances: MERCURY
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported
Result: 8
File Under: Not reported
Incident: VIAL OF MERCURY LIQUID BROKE SPILLED ON FLOOR
Initial: Not reported
Report: Not reported

F29 EWA ELEMENTARY SCHOOL FINDS 1009789787
ESE RENTON RD 110027158965
> 1 EWA BEACH, HI 96706
1.276 mi.
6737 ft. Site 2 of 6 in cluster F

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: Not reported
56 ft.

HI-SW (Hawaii Office Of Solid Waste) coordinates a statewide P2 workgroup to enhance information sharing regarding solid waste

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA ELEMENTARY SCHOOL (Continued)

1009789787

NCES (National Center for Education Statistics) is the primary federal entity for collecting and analyzing data related to education in the United States and other nations and the institute of education sciences.

F30
ESE
> 1
1.276 mi.
6737 ft.

EWA SUGAR MILL
RENTON RD
EWA BEACH, HI 96706

SHWS
INST CONTROL
S106817009
N/A

Site 3 of 6 in cluster F

Relative:
Lower

Actual:
56 ft.

SHWS:

File Under: Ewa Sugar Mill/Oahu Sugar Co.
Supplement: Southeast side between Ewa Mahio and District Park
Restricted Use: The site is under evaluation for land use control.
Restricted Use Comm: Not reported
IC Relied On In Remedy: Not reported
Unit: Ewa Sugar Mill/Oahu Sugar Co. - Mill Site
Fed Id: HID984467605
Funding: Change Area of Concern Name FFY 2006 non Report
Agreement/program: State Site
Sitelist Name: Ewa Sugar Mill/Oahu Sugar Co. - Mill Site
Activity Type: File Review
Assignment Date: 11/14/2006
Activity Lead: Unassigned
Assignment End Date: 11/14/2006
End fill: 11/14/2006
Result fill: Refer to Sites named Pesticide Mix & Load, Coral Waste Pit, Fumigant Storage, and Waipio Peninsula
Overall Status: Closed EI

HI INSTUTIONAL CONTROL:

Restricted Use: The site is under evaluation for land use control.
Comments on Restricted Use: Not reported
IC Relied on in Remedy: Not reported
File Under: Ewa Sugar Mill/Oahu Sugar Co.

F31
ESE
> 1
1.276 mi.
6737 ft.

EWA SUGAR MILL
RENTON RD
EWA BEACH, HI 96706

SHWS
FINDS
INST CONTROL
1006823106
110013815050

Site 4 of 6 in cluster F

Relative:
Lower

Actual:
56 ft.

SHWS:

File Under: Ewa Sugar Mill/Oahu Sugar Co.
Supplement: Ewa Villages
Restricted Use: The site is under evaluation for land use control.
Restricted Use Comm: Not reported
IC Relied On In Remedy: Not reported
Unit: Ewa Sugar Mill/Oahu Sugar Co. - Fumigant Storage Area
Fed Id: HISFN0905534
Funding: Report Ongoing
Agreement/program: State Site Program
Sitelist Name: Ewa Sugar Mill/Oahu Sugar Co. - Fumigant Storage Area
Activity Type: File Review for Land Use Control

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA SUGAR MILL (Continued)

1006823106

Assignment Date: 11/14/2006
Activity Lead: Unassigned
Assignment End Date: Not reported
End fill: 4/4/2008
Result fill: Ongoing
Overall Status: Ongoing EI (Environmental Interest)

File Under: Ewa Sugar Mill/Oahu Sugar Co.
Supplement: Not reported
Restricted Use: This facility is available for unrestricted use.
Restricted Use Comm: Not reported
IC Relied On In Remedy: Not reported
Unit: Ewa Sugar Mill/Oahu Sugar Co. - Ewa Sugar Mill
Fed Id: Not reported
Funding: Report Ongoing
Agreement/program: State Site Program
Sitelist Name: Ewa Sugar Mill/Oahu Sugar Co. - Ewa Sugar Mill
Activity Type: Remedial
Assignment Date: 4/1/2002
Activity Lead: Mark Sutterfield
Assignment End Date: Not reported
End fill: 4/4/2008
Result fill: Ongoing
Overall Status: Ongoing EI (Environmental Interest)

FINDS:

Other Pertinent Environmental Activity Identified at Site

Not reported

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

HI INSTITUTIONAL CONTROL:

Restricted Use: The site is under evaluation for land use control.
Comments on Restricted Use: Not reported
IC Relied on in Remedy: Not reported
File Under: Ewa Sugar Mill/Oahu Sugar Co.

Restricted Use: This facility is available for unrestricted use.
Comments on Restricted Use: Not reported
IC Relied on in Remedy: Not reported
File Under: Ewa Sugar Mill/Oahu Sugar Co.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

F32 EWA CENTRAL OFFICE
ESE RENTON RD
> 1 EWA BEACH, HI 96706
1.276 mi.
6737 ft. Site 5 of 6 in cluster F

FINDS 1009789786
110027158938

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: Not reported
56 ft.

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

F33 EWA SUGAR MILL/OAHU SUGAR CO. - MILL SITE
ESE RENTON RD
> 1 EWA BEACH, HI 96706
1.276 mi.
6737 ft. Site 6 of 6 in cluster F

SPILLS S107024582
N/A

Relative: HI SPILLS:
Lower Island: Oahu
Supplemental Loc. Text: Not reported
Actual: Case Number: 19970823-1030
56 ft. Units: Ewa Sugar Mill
Substances: Not reported
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 8/23/1997
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Ewa Sugar Mill/Oahu Sugar Co.
Incident: Resident noticed the odor of TCA or TCE at an excavation. Excavation covered by pieces of concrete. Explosions and chemical fumes coming from Ewa Sugar Mill.
Initial: Not reported
Report: HNU readings of covered pit did not detect organic vapors. Odors coming from active bus repair facility across street (dirt road) from covered pit.

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19980420-0900
Units: Ewa Sugar Mill TCE Odor
Substances: TCE
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 4/20/1998
Activity Lead: Terry Corpus

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA SUGAR MILL/OAHU SUGAR CO. - MILL SITE (Continued)

S107024582

Assignment End Date: Not reported
Result: 8
File Under: Ewa Sugar Mill/Oahu Sugar Co.
Incident: Resident noticed the odor of TCA or TCE at an excavation. Excavation covered by pieces of concrete. Explosions and chemical fumes coming from Ewa Sugar Mill.
Initial: Not reported
Report: HNU readings of covered pit did not detect organic vapors. Odors coming from active bus repair facility across street (dirt road) from covered pit.

G34
SE
> 1
1.300 mi.
6866 ft.

**EWA SUGAR MILL/OAHU SUGAR CO.
RENTON ROAD
EWA BEACH, HI 96706**

**CERCLIS 1000483796
FINDS HID984467605**

Site 1 of 4 in cluster G

Relative:
Lower

CERCLIS:
Site ID: 0904227
Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP

Actual:
49 ft.

CERCLIS Site Contact Name(s):
Contact Name: Eugenia Chow
Contact Tel: (415) 972-3160
Contact Title: Site Assessment Manager (SAM)

Site Description: Not reported

CERCLIS Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 10/31/1991
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 06/16/1993
Priority Level: Higher priority for further assessment

Action: SITE INSPECTION
Date Started: 06/10/1996
Date Completed: 09/17/1999
Priority Level: NFRAP: No further Remedial Action planned

FINDS:

Other Pertinent Environmental Activity Identified at Site

Not reported

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA SUGAR MILL/OAHU SUGAR CO. (Continued)

1000483796

to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

H35
East
> 1
1.359 mi.
7176 ft.

91-1750 ALA LOA STREET, CAR BATTERIES CONTAMINATED METER BOX
91-1750 ALA LOA ST
EWA BEACH, HI 96706

FINDS 1009802840
110027205744

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
56 ft.

Not reported

H36
East
> 1
1.359 mi.
7176 ft.

91-1750 ALA LOA STREET, CAR BATTERIES CONTAMINATED
91-1750 ALA LOA ST
EWA BEACH, HI 96706

SPILLS S105265008
N/A

Relative:
Lower

Actual:
56 ft.

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20000307-1100
Units: 91-1750 Ala Loa St, car batteries contaminated meter box
Substances: Battery Acid
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 3/7/2000
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Not reported
Incident: Soils around water meter box contaminated by vehicle lead-acid battery acid. BWS crew attempting to remove meter.
Initial: Visted site 3/15/00.
Report: Soils excavated around meter box, 1st valve shut off, H2O meter still present. Affected property is C & C property. The subject property has a lot of solid waste next to meter box and driveway. Site referred to solid waste for follow up and vector cont

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

37 NW > 1 1.359 mi. 7175 ft. KSSK-FM TRANSMITTER SITE
165 PALEHUA RIDGE (PALEHUA RD 6 MILES WEST OF WAIP
EWA BEACH, HI 96706 LUST S103872798
N/A

Relative: LUST:
Higher Facility ID: 9-203471
Facility Status: Site Cleanup Completed (NFA)
Actual: Facility Status Date: 17-Aug-99
443 ft. Release ID: 990194
Project Officer: Richard Takaba

G38 SE > 1 1.365 mi. 7205 ft. EWA VILLAGE PROJECT
RENTON RD & TENNY RD
EWA BEACH, HI 96706 FINDS 1006842463
110014039012
Site 2 of 4 in cluster G

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site

Actual: 46 ft. HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage
Tank Program regulates underground storage tanks which store petroleum
or hazardous substances and offers documents and data products for
downloading.

I39 ESE > 1 1.369 mi. 7228 ft. EWA ELEMENTARY SCHOOL
91-1280 RENTON RD
EWA BEACH, HI 96706 LUST 1006843609
N/A
Site 1 of 3 in cluster I

Relative: LUST:
Lower Facility ID: 9-203565
Facility Status: Site Cleanup Completed (NFA)
Actual: Facility Status Date: 04-Nov-99
44 ft. Release ID: 990229
Project Officer: Renato Maniulit

I40 ESE > 1 1.369 mi. 7228 ft. EWA ELEMENTARY SCHOOL
91-1280 RENTON RD
EWA BEACH, HI 96706 UST U003711767
N/A
Site 2 of 3 in cluster I

Relative: UST:
Lower Facility ID: 9-203565
Owner: STATE DAGS - PROJECT MANAGEMENT BRANCH
Actual: Owner Address: 1151 PUNCHBOWL ST, RM 427
44 ft. Owner City,St,Zip: Ewa Beach, 96706 96706
Tank ID: R-1
Date Installed: Not reported
Tank Status: Permanently Out of Use
Date Closed: 8/18/1999

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA ELEMENTARY SCHOOL (Continued)

U003711767

Tank Capacity: 550
Substance: Diesel

G41 ALA KONA CORPORATION
SE 91-1205 RENTON RD
> 1 EWA BEACH, HI 96706
1.370 mi.
7234 ft. Site 3 of 4 in cluster G

SHWS 1006820374
FINDS 110013783254
SPILLS

Relative:
Lower

SHWS:

File Under: Ala Kona Corporation
Supplement: Park Row behind Ewa Sugar Mill in Ewa
Restricted Use: Not reported
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Ala Kona Corporation
Fed Id: Not reported
Funding: RP
Agreement/program: State Site
Sitelist Name: Ala Kona Corporation
Activity Type: File Review
Assignment Date: 1/31/2008
Activity Lead: Richard Palmer
Assignment End Date: 1/31/2008
End fill: 1/31/2008
Result fill: SDAR Ranked No Further Action (NFA)
Overall Status: Complete NFA Letter on File

Actual:
48 ft.

FINDS:

Other Pertinent Environmental Activity Identified at Site

Not reported

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Park Row behind Ewa Sugar Mill in Ewa
Case Number: 19990503-1445
Units: AlaKona Corporation Drum Crushing/Release
Substances: Not reported
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 5/3/1999
Activity Lead: Liz Galvez
Assignment End Date: Not reported
Result: 8
File Under: Ala Kona Corporation
Incident: Complainant called concerned with 55-gallon drums with contents being crushed and it appears that burying may be occurring.
Initial: Notified the Honolulu Police Department. Conducted a site inspection. Arrived

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

ALA KONA CORPORATION (Continued)

1006820374

Report: on site at approximately 4:00 p.m. with Solid Waste inspector Apolla Bagaoisan.
5/3/99: Arrived on site with Solid Waste inspector Apolla Bagaoisan at approximately 4:00 p.m. Observed staining of soils, approximately 20 feet x 20 feet. It appears that attempts were made to cover some of the staining. There was a strong diesel-lik

G42
SE
> 1
1.371 mi.
7240 ft.

EWA MILL FORMER VEHICLE MAINTENANCE AREA
91-1201 RENTON ROAD
EWA BEACH, HI 96706

LUST U003986425
UST N/A

Site 4 of 4 in cluster G

Relative:
Lower

LUST:

Facility ID: 9-203785
Facility Status: LUST Cleanup Initiated
Facility Status Date: 13-Dec-04
Release ID: 050003
Project Officer: Josh Nagashima

Actual:
47 ft.

UST:

Facility ID: 9-203785
Owner: C&C of HNL
Owner Address: 650 S. King Street
Owner City,St,Zip: Ewa Beach, 96706 96706

Tank ID: r-1
Date Installed: Not reported
Tank Status: Permanently Out of Use
Date Closed: 10/21/2004
Tank Capacity: 550
Substance: Not Listed

J43
SW
> 1
1.380 mi.
7285 ft.

91-1040 LEHULEHU
91-1040 LEHULEHU
KAPOLEI, HI 96707

SPILLS S108008687
N/A

Site 1 of 3 in cluster J

Relative:
Lower

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 20060703-0820
Units: 91-1040 Lehulehu
Substances: Paint
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Unknown
Activity Type: Response
Assignment Date: 7/3/2006
Activity Lead: Liz Galvez
Assignment End Date: 7/3/2006
Result: 8
File Under: Not reported
Incident: previous tenants left paint and other paint-related waste on property
Initial: Not reported
Report: Spoke with landowner and homeowner - Torcy Young (808) 216-8436 - informed her

Actual:
69 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

91-1040 LEHULEHU (Continued)

S108008687

that as homeowner, she is ultimately responsible to conduct removal and clean-up. She may be considered exempt - disposal can be done with household hazardous waste collection

I44
ESE
> 1
1.384 mi.
7306 ft.
EWA CENTRAL OFFICE
91-1296 RENTON RD.
KAPOLEI, HI 96707
Site 3 of 3 in cluster I

UST U003221971
N/A

Relative: UST:
Lower Facility ID: 9-200498
Owner: Hawaiian Telcom
Actual: Owner Address: P.O. Box 2200
44 ft. Owner City,St,Zip: Kapolei, 96707 96707

Tank ID: M-2
Date Installed: 3/1/1987
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 550
Substance: Diesel

Tank ID: R-M-1
Date Installed: 5/7/1972
Tank Status: Permanently Out of Use
Date Closed: 11/3/1998
Tank Capacity: 350
Substance: Diesel

45
SSE
> 1
1.385 mi.
7311 ft.
EWA VILLAGE PROJECT
CORNER OF RENTON RD X TENNY RD
EWA BEACH, HI 96706

LUST U003222115
UST N/A

Relative: LUST:
Lower Facility ID: 9-202720
Facility Status: Site Cleanup Completed (NFA)
Actual: Facility Status Date: 27-Aug-99
47 ft. Release ID: 970013
Project Officer: Renato Maniulit

UST:
Facility ID: 9-202720
Owner: C&C OF HNL - DEPT OF HOUSING AND COMM DEVELOPMENT
Owner Address: 650 SOUTH KING ST, 5TH FLOOR
Owner City,St,Zip: Ewa Beach, 96706 96706

Tank ID: R-1
Date Installed: Not reported
Tank Status: Permanently Out of Use
Date Closed: 7/30/1993
Tank Capacity: 9000
Substance: Heating Oil

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EWA VILLAGE PROJECT (Continued)

U003222115

Tank ID: R-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 8/30/1993
Tank Capacity: 2000
Substance: Gasoline

Tank ID: R-3
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 8/30/1993
Tank Capacity: 2000
Substance: Gasoline

K46
WSW
> 1
1.391 mi.
7346 ft.
Site 1 of 9 in cluster K

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
95 ft.

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

FINDS **1006843554**
110014051177

K47
WSW
> 1
1.391 mi.
7346 ft.
Site 2 of 9 in cluster K

Relative:
Lower

UST:
Facility ID: 9-203484
Owner: KAPOLEI PEOPLE'S INC
Owner Address: 91-701 FARRINGTON HWY
Owner City, St, Zip: Kapolei, 96707 96707

Actual:
95 ft.

Tank ID: UL625207
Date Installed: 1/1/1992
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 1000
Substance: Gasoline

Tank ID: UL625210
Date Installed: 9/1/1992
Tank Status: **Currently In Use**
Date Closed: Not reported
Tank Capacity: 550
Substance: Diesel

UST **U003402916**
N/A

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

J48 BURNT ODOR
SW 91-1063 HOLOIMUA ST
> 1 KAPOLEI, HI 96707
1.411 mi.
7449 ft. Site 2 of 3 in cluster J

SPILLS S105263370
N/A

Relative: HI SPILLS:
Lower Island: Oahu
Supplemental Loc. Text: Not reported
Actual: Case Number: 19951210-1031
69 ft. Units: Burnt Odor
Substances: Not reported
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Not reported
Incident: A smell something like burnt fire crackers.
Initial: none
Report: No

J49 BURNT ODOR
SW 91-1063 HOLOIMUA ST
> 1 KAPOLEI, HI 96707
1.411 mi.
7449 ft. Site 3 of 3 in cluster J

FINDS 1009796022
110027188736

Relative: FINDS:
Lower Other Pertinent Environmental Activity Identified at Site
Actual: Not reported
69 ft.

L50 TERADA E W A NUI SUBSTATION
NNE 91 1440 FARRINGTON HWY
> 1 KAPOLEI, HI 96822
1.432 mi.
7559 ft. Site 1 of 6 in cluster L

RCRA-NonGen 1010316445
HIP000108407

Relative: RCRA-NonGen:
Higher Date form received by agency: 05/29/2007
Facility name: TERADA E W A NUI SUBSTATION
Actual: Facility address: 91 1440 FARRINGTON HWY
174 ft. KAPOLEI, HI 96822
EPA ID: HIP000108407
Mailing address: 1441 KAPIOLANI BLVD NO 1203
HONOLULU, HI 96814
Contact: SHIGEO SEKI
Contact address: 1441 KAPIOLANI BLVD NO 1203
HONOLULU, HI 96814
Contact country: US
Contact telephone: (808) 946-1258
Contact email: Not reported
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TERADA E W A NUI SUBSTATION (Continued)

1010316445

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: HAWAIIAN ELECTRIC CO
Owner/operator address: P O BOX 2750 MS HPO JW
HONOLULU, HI 96840
Owner/operator country: Not reported
Owner/operator telephone: (808) 543-4523
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
Used oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Historical Generators:

Date form received by agency: 11/01/2001
Facility name: TERADA E W A NUI SUBSTATION
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

L51 TERADA E W A NUI SUBSTATION
NNE 91 1440 FARRINGTON HWY
> 1 KAPOLEI, HI 96822
1.432 mi.
7559 ft. Site 2 of 6 in cluster L

FINDS 1010428683
110031277874

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual: RCRAInfo is a national information system that supports the Resource
174 ft. Conservation and Recovery Act (RCRA) program through the tracking of
events and activities related to facilities that generate, transport,
and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA
program staff to track the notification, permit, compliance, and
corrective action activities required under RCRA.

L52 91-1440 FARRINGTON HIGHWAY
NNE 91-1440 FARRINGTON HIGHWAY
> 1 KAPOLEI, HI 96707
1.432 mi.
7559 ft. Site 3 of 6 in cluster L

ERNS 2007325795
N/A

Relative: Click this hyperlink while viewing on your computer to access
Higher additional ERNS detail in the EDR Site Report.

Actual: 174 ft.
L53 91-1440 FARRINGTON HIGHWAY
NNE 91-1440 FARRINGTON HIGHWAY
> 1 KAPOLEI, HI
1.432 mi.
7559 ft. Site 4 of 6 in cluster L

ERNS 2007325793
N/A

Relative: Click this hyperlink while viewing on your computer to access
Higher additional ERNS detail in the EDR Site Report.

Actual: 174 ft.
L54 HONOULIULI WELLS II
NNE 91-1440 FARRINGTON HWY
> 1 EWA BEACH, HI 96706
1.432 mi.
7559 ft. Site 5 of 6 in cluster L

FINDS 1006820605
110013785975

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual: Not reported
174 ft.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii
state regulatory program relating to environmental compliance and
hazardous materials that ensures that program areas and facilities are
in compliance with environmental regulations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K55 TESORO GAS EXPRESS #55
WSW 91-590 FARRINGTON HWY
> 1 KAPOLEI, HI 96707
1.451 mi.
7663 ft. Site 3 of 9 in cluster K

UST U003402906
N/A

Relative:
Higher

UST:

Facility ID: 9-203163
Owner: TESORO HAWAII CORPORATION
Owner Address: 1311 Palama St
Ownder City,St,Zip: Kapolei, 96707 96707

Actual:
99 ft.

Tank ID: 87
Date Installed: 2/1/1995
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasoline

Tank ID: 92
Date Installed: 2/1/1995
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasoline

K56 LONGS DRUG STORE NO 317
WSW 91 590 FARRINGTON HWY NO 300
> 1 KAPOLEI, HI 96707
1.451 mi.
7663 ft. Site 4 of 9 in cluster K

FINDS 1004688966
RCRA-CESQG HIR000039479

Relative:
Higher

FINDS:

Other Pertinent Environmental Activity Identified at Site

Actual:
99 ft.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

RCRA-CESQG:

Date form received by agency: 05/06/1998
Facility name: LONGS DRUG STORE NO 317
Facility address: 91 590 FARRINGTON HWY NO 300
KAPOLEI, HI 96707
EPA ID: HIR000039479
Mailing address: 141 N CIVIC DR
WALNUT CREEK, CA 94596
Contact: DENNIS ARAKAKI
Contact address: 141 N CIVIC DR
WALNUT CREEK, CA 94596
Contact country: US
Contact telephone: (808) 674-0069
Contact email: Not reported
EPA Region: 09

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LONGS DRUG STORE NO 317 (Continued)

1004688966

Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: LONGS DRUG STORES CALIF INC
Owner/operator address: 141 N CIVIC DR
WALNUT CREEK, CA 94596
Owner/operator country: Not reported
Owner/operator telephone: (925) 937-1170
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D000
Waste name: Not Defined
Waste code: D011
Waste name: SILVER

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number
EPA ID Number

K57 BHP GAS EXPRESS (STATION # 55) SPILLS S109096074
WSW 91-590 FARRINGTON HWY N/A
> 1 KAPOLEI, HI 96707
1.451 mi.
7663 ft. Site 5 of 9 in cluster K

Relative: HI SPILLS:
Higher Island: Oahu
Supplemental Loc. Text: Not reported
Actual: Case Number: 20080314-0757
99 ft. Units: 1-gallon Spill allegedly not cleaned up
Substances: Gasoline
Less Or Greater Than: Not reported
Numerical Quantity: 1
Units: Gallons
Activity Type: Response
Assignment Date: 3/14/2008
Activity Lead: Liz Galvez
Assignment End Date: 3/25/2008
Result: 8
File Under: Tesoro Hawaii Corporation
Incident: complaint of a gasoline spill allegedly not cleaned up
Initial: Not reported
Report: Spoke with Tesoro's Retail Environmental Compliance Officer. Regional Area Manager reviewed tape: spill was cleaned up properly. Requested that a copy of the findings be sent to HEER. Left a message with complainant. No further action at this time.

K58 BHP GAS EXPRESS (STATION # 55) FINDS 1009800694
WSW 91-590 FARRINGTON HWY 110027203498
> 1 KAPOLEI, HI 96707
1.451 mi.
7663 ft. Site 6 of 9 in cluster K

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site
Actual: Not reported
99 ft.

K59 TESORO GAS EXPRESS #55 FINDS 1006843259
WSW 91-590 FARRINGTON HIGHWAY 110014048011
> 1 KAPOLEI, HI 96707
1.451 mi.
7663 ft. Site 7 of 9 in cluster K

Relative: FINDS:
Higher Other Pertinent Environmental Activity Identified at Site

Actual: HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage
99 ft. Tank Program regulates underground storage tanks which store petroleum
or hazardous substances and offers documents and data products for
downloading.

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii
state regulatory program relating to environmental compliance and
hazardous materials that ensures that program areas and facilities are
in compliance with environmental regulations

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

K60 CHEVRON 209722
WSW 91 565 FARRINGTON HWY
> 1 KAPOLEI, HI 96707
1.454 mi.
7679 ft. Site 8 of 9 in cluster K

RCRA-CESQG 1008880420
HIR000136978

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 09/16/2005

Facility name: CHEVRON 209722

Facility address: 91 565 FARRINGTON HWY

KAPOLEI, HI 96707

EPA ID: HIR000136978

Mailing address: PO BOX 6004

SAN RAMON, CA 94583

Contact: KATHY L NORRIS

Contact address: PO BOX 6004

SAN RAMON, CA 94583

Contact country: US

Contact telephone: 925-842-5931

Contact email: KNORRIS@CHEVRON.COM

EPA Region: 09

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: CHEVRON USA INC

Owner/operator address: Not reported

Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 12/21/2000

Owner/Op end date: Not reported

Owner/operator name: CHEVRON USA INC

Owner/operator address: PO BOX 6004
SAN RAMON, CA 94583

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 12/21/2000

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

CHEVRON 209722 (Continued)

1008880420

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

K61
WSW
> 1
1.454 mi.
7679 ft.

CHEVRON 209722
91 565 FARRINGTON HWY
KAPOLEI, HI 96707
Site 9 of 9 in cluster K

FINDS 1008942065
110023111620

Relative:
Higher

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
99 ft.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

L62
NNE
> 1
1.458 mi.
7697 ft.

WAIMANALO GULCH SANITARY LANDFIL
92-460 FARRINGTON HWY
KAPOLEI, HI 96707
Site 6 of 6 in cluster L

UST U003221669
N/A

Relative:
Higher

UST:
Facility ID: 9-101440
Owner: C&C OF HNL - DEPT OF DESIGN & CONSTRUCTION
Owner Address: 650 S KING ST2ND FLOOR
Owner City,St,Zip: Kapolei, 96707 96707

Actual:
172 ft.

Tank ID: r-1
Date Installed: 4/5/1989
Tank Status: Permanently Out of Use

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

WAIMANALO GULCH SANITARY LANDFIL (Continued)

U003221669

Date Closed: 3/30/2005
Tank Capacity: 6000
Substance: Diesel

M63
SW
> 1
1.474 mi.
7782 ft.

VANTERPOOL RESIDENCE ON THE RIGHT SIDE OF HOUSE
91-1036 PALALA ST
KAPOLEI, HI 96707

FINDS 1009802445
110027186827

Site 1 of 2 in cluster M

Relative:
Lower

FINDS:
Other Pertinent Environmental Activity Identified at Site

Actual:
81 ft.

Not reported

M64
SW
> 1
1.474 mi.
7782 ft.

VANTERPOOL RESIDENCE ON THE RIGHT SIDE OF HOUSE
91-1036 PALALA ST
KAPOLEI, HI 96707

SPILLS S105263779
N/A

Site 2 of 2 in cluster M

Relative:
Lower

HI SPILLS:

Actual:
81 ft.

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19970226-1000
Units: Vanterpool Residence on the Right side of house
Substances: Not reported
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: 2/25/1997
Activity Lead: Terry Corpus
Assignment End Date: Not reported
Result: 8
File Under: Not reported
Incident: Milky white liquid on ground giving off strange chemical odor. Complainant states its from the neighbor.
Initial: None. Additional information about spill being an act of vengeance according to Mr. Vanterpool can be found on single report filed in February singles.
Report: Not reported

N65
WSW
> 1
1.556 mi.
8217 ft.

PACIFIC CONCRETE & ROCK LDFL
91-402 FARRINGTON HWY
EWA BEACH, HI 96706

SHWS 1006821165
FINDS 110013792529
SPILLS
INST CONTROL

Site 1 of 3 in cluster N

Relative:
Higher

SHWS:

Actual:
109 ft.

File Under: Grace Pacific Corporation
Supplement: Not reported
Restricted Use: The site is under evaluation for land use control.
Restricted Use Comm: Prohibit Any Activity That May Disturb the Integrity of the Soil Vapor Extraction System

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

PACIFIC CONCRETE & ROCK LDFL (Continued)

1006821165

IC Relied On In Remedy: Institutional Control Instrument Pending
Unit: Pacific Concrete & Rock LDFL
Fed Id: HID980637508
Funding: Report Ongoing
Agreement/program: State Site Program
Sitelist Name: Pacific Concrete & Rock LDFL
Activity Type: Site Assessment
Assignment Date: 3/15/2007
Activity Lead: Melody Calisay
Assignment End Date: Not reported
End fill: 4/4/2008
Result fill: Ongoing
Overall Status: Ongoing EI (Environmental Interest)

FINDS:

Other Pertinent Environmental Activity Identified at Site

Not reported

The HI-ECS (Hawaii Environmental Compliance Program) is the Hawaii state regulatory program relating to environmental compliance and hazardous materials that ensures that program areas and facilities are in compliance with environmental regulations

HI SPILLS:

Island: Oahu
Supplemental Loc. Text: Not reported
Case Number: 19911121-7
Units: GRACE PACIFIC CORPORATION, OLD PALAILAI QUARRY
Substances: SEE INCIDENT DESCRIPTION
Less Or Greater Than: Not reported
Numerical Quantity: Not reported
Units: Not reported
Activity Type: Response
Assignment Date: Not reported
Activity Lead: Not reported
Assignment End Date: Not reported
Result: 7
File Under: Grace Pacific Corporation
Incident: CORRESPONDENCE LETTER; FROM GRACE PACIFIC TO HEER. REGARDING THE SOIL INVESTIGATION FOR HYDROCARBONS AT OLD PALAILAI QUARRY. ATTACHED- UST REMOVAL ANALYSES SHOWED NO SOIL CONTAMINATION 2/5/92
Initial: Not reported
Report: Not reported

HI INSTUTIONAL CONTROL:

Restricted Use: The site is under evaluation for land use control.
Comments on Restricted Use: Prohibit Any Activity That May Disturb the Integrity of the Soil Vapor Extraction System
IC Relied on in Remedy: Institutional Control Instrument Pending
File Under: Grace Pacific Corporation

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N66 PACIFIC CONCRETE & ROCK LDFL
WSW 91-402 FARRINGTON HWY
> 1 EWA BEACH, HI 96706
1.556 mi.
8217 ft. Site 2 of 3 in cluster N

CERC-NFRAP 1003879132
HID980637508

Relative: CERC-NFRAP:
Higher Site ID: 0902874
Federal Facility: Not a Federal Facility
Actual: NPL Status: Not on the NPL
109 ft. Non NPL Status: NFRAP

CERCLIS-NFRAP Site Contact Name(s):

Contact Name: Matt Mitguard
Contact Tel: (415) 972-3096
Contact Title: Site Assessment Manager (SAM)

Contact Name: Eugenia Chow
Contact Tel: (415) 972-3160
Contact Title: Site Assessment Manager (SAM)

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: PALAILAI LANDFILL
Alias Address: Not reported
HI
Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY
Date Started: Not reported
Date Completed: 11/01/1979
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 01/01/1980
Priority Level: Low

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 03/01/1982
Priority Level: High

Action: SITE INSPECTION
Date Started: Not reported
Date Completed: 05/14/1990
Priority Level: NFRAP (No Further Remedial Action Planned)

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 05/14/1990
Priority Level: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

N67 BWS MAKAKILO BOOSTER STATION NO 1
WSW 92 405 MAKAKILO DR
> 1 MAKAKILO, HI 96707
1.618 mi.
8546 ft. Site 3 of 3 in cluster N

RCRA-CESQG 1007092157
HIR000135426

Relative:
Higher

RCRA-CESQG:

Date form received by agency: 11/19/2003

Facility name: BWS MAKAKILO BOOSTER STATION NO 1

Facility address: 92 405 MAKAKILO DR
MAKAKILO, HI 96707

EPA ID: HIR000135426

Mailing address: 630 S BERETANIA ST
HONOLULU, HI 96843

Contact: RAYMOND I IWAMASA

Contact address: 630 S BERETANIA ST
HONOLULU, HI 96843

Contact country: US

Contact telephone: 808-748-5831

Contact email: Not reported

EPA Region: 09

Classification: Conditionally Exempt Small Quantity Generator

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: BOARD OF WATER SUPPLY

Owner/operator address: Not reported
Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Owner

Owner/Op start date: 12/28/1962

Owner/Op end date: Not reported

Owner/operator name: BOARD OF WATER SUPPLY

Owner/operator address: Not reported
Not reported

Owner/operator country: US

Owner/operator telephone: Not reported

Legal status: Municipal

Owner/Operator Type: Operator

Owner/Op start date: 12/28/1962

Owner/Op end date: Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BWS MAKAKILO BOOSTER STATION NO 1 (Continued)

1007092157

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D008
Waste name: LEAD

Violation Status: No violations found

**O68
WSW
> 1
1.691 mi.
8927 ft.**

**CHEVRON #209722
91-565 FARRINGTON HWY
KAPOLEI, HI 96707
Site 1 of 3 in cluster O**

**UST U003762154
N/A**

**Relative:
Higher**

UST:

Facility ID: 9-203662
Owner: CHEVRON PRODUCTS COMPANY
Owner Address: 91-480 MALAKOLE ST.
Owner City, St, Zip: Kapolei, 96707 96707

**Actual:
118 ft.**

Tank ID: 87
Date Installed: 4/5/2001
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 20000
Substance: Gasoline

Tank ID: 92
Date Installed: 4/5/2001
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 15000
Substance: Gasoline

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

O69
WSW
> 1
1.717 mi.
9065 ft.
KAPOLEI SHELL
577 FARRINGTON HWY
KAPOLEI, HI 96707
Site 2 of 3 in cluster O

UST U003732584
N/A

Relative:
Higher

Actual:
116 ft.

UST:

Facility ID: 9-203632
Owner: EQUILON ENTERPRISES, LLC DBA SHELL OIL PRODUCTS US
Owner Address: 2555 13TH AVE, SW
Owner City, St, Zip: Kapolei, 96707 96707

Tank ID: 2-87
Date Installed: 2/1/2000
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasoline

Tank ID: 3-87
Date Installed: 2/1/2000
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Gasoline

Tank ID: 92
Date Installed: 2/1/2000
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 15000
Substance: Gasoline

Tank ID: DIESEL
Date Installed: 2/1/2000
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 12000
Substance: Diesel

O70
WSW
> 1
1.717 mi.
9065 ft.
SHELL SERVICE STATION
577 FARRINGTON HWY
KAPOLEI, HI 96707
Site 3 of 3 in cluster O

RCRA-SQG 1005415826
FINDS HIR000112649

Relative:
Higher

Actual:
116 ft.

RCRA-SQG:

Date form received by agency: 02/19/2002
Facility name: SHELL SERVICE STATION
Facility address: 577 FARRINGTON HWY
S A P 117200
KAPOLEI, HI 96707
EPA ID: HIR000112649
Mailing address: P O BOX 2648
HOUSTON, TX 772522648
Contact: SONDR A BIENVENU
Contact address: P O BOX 2648

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1005415826

Contact country: HOUSTON, TX 772522648
US
Contact telephone: (713) 241-5036
Contact email: Not reported
EPA Region: 09
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: EQUILON ENTERPRISES L L C
Owner/operator address: P O BOX 2648
HOUSTON, TX 77252
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-5036
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: Unknown
Mixed waste (haz. and radioactive): Unknown
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: Unknown
Furnace exemption: Unknown
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No
Off-site waste receiver: Commercial status unknown

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018
Waste name: BENZENE

Violation Status: No violations found

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL SERVICE STATION (Continued)

1005415826

FINDS:

Other Pertinent Environmental Activity Identified at Site

HI-UST (Hawaii - Underground Storage Tank). Hawaii Underground Storage Tank Program regulates underground storage tanks which store petroleum or hazardous substances and offers documents and data products for downloading.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

P71
East
> 1
1.724 mi.
9102 ft.

FORMER UNOCAL SERVICE STATION
91-1669 FT WEAVER RD
EWA BEACH, HI 96706
Site 1 of 2 in cluster P

LUST **U003711763**
UST **N/A**

Relative:
Lower

LUST:

Facility ID: 9-203512
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 17-Mar-06
Release ID: 990161
Project Officer: Shunsheng Fu

Actual:
43 ft.

UST:

Facility ID: 9-203512
Owner: UNOCAL CORPORATION
Owner Address: 3915 Mission Avenue #7416
Owner City, St, Zip: Ewa Beach, 96706 96706

Tank ID: R-1
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 10/1/1986
Tank Capacity: Not reported
Substance: Not Listed

Tank ID: R-2
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 10/1/1986
Tank Capacity: Not reported
Substance: Not Listed

Tank ID: R-3
Date Installed: Not reported
Tank Status: **Permanently Out of Use**
Date Closed: 10/1/1986
Tank Capacity: Not reported
Substance: Not Listed

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

72
ENE
> 1
1.726 mi.
9111 ft.

KEN'S AUTO SERVICE
91-2078 FT WEAVER RD
EWA BEACH, HI 96706

UST U003221989
N/A

Relative:
Lower

UST:

Facility ID: 9-200823
Owner: KEN ASATO
Owner Address: 91-373 FT. WEAVER RD
Owner City, St, Zip: Ewa Beach, 96706 96706

Actual:
21 ft.

Tank ID: R-01
Date Installed: 8/3/1949
Tank Status: **Permanently Out of Use**
Date Closed: 4/1/1988
Tank Capacity: 5000
Substance: Gasoline

Tank ID: R-02
Date Installed: 8/3/1949
Tank Status: **Permanently Out of Use**
Date Closed: 4/1/1988
Tank Capacity: 10000
Substance: Gasoline

P73
East
> 1
1.734 mi.
9154 ft.

BHP GAS EXPRESS STATION 43 EWA REPAIR SHOP
91-1669 FORT WEAVER RD
EWA BEACH, HI 96706

Site 2 of 2 in cluster P

SHWS S106816522
INST CONTROL N/A

Relative:
Lower

SHWS:

File Under: Tesoro Hawaii Corporation
Supplement: Not reported
Restricted Use: Not reported
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Ewa Repair Shop/Tesoro (Fort Weaver Road)
Fed Id: Not reported
Funding: S FY 2005
Agreement/program: State Site
Sitelist Name: Ewa Repair Shop/Tesoro (Fort Weaver Road)
Activity Type: Removal
Assignment Date: 10/13/2003
Activity Lead: Mark Sutterfield
Assignment End Date: 10/11/2004
End fill: 10/11/2004
Result fill: No Further Action (NFA) Letter
Overall Status: SDAR NFA

Actual:
41 ft.

File Under: Tesoro Hawaii Corporation
Supplement: Not reported
Restricted Use: This facility is available for unrestricted use.
Restricted Use Comm: Not reported
Ic Relied On In Remedy: Not reported
Unit: Zippy's Parcel
Fed Id: Not reported
Funding: S FY 2005

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

BHP GAS EXPRESS STATION 43 EWA REPAIR SHOP (Continued)

S106816522

Agreement/program: State Site
Sitelist Name: Zippy's Parcel
Activity Type: Removal
Assignment Date: 4/1/2003
Activity Lead: Mark Sutterfield
Assignment End Date: 11/11/2004
End fill: 11/11/2004
Result fill: No Further Action (NFA) Letter - Unrestricted Use
Overall Status: SDAR NFA

HI INSTUTIONAL CONTROL:

Restricted Use: This facility is available for unrestricted use.
Comments on Restricted Use: Not reported
IC Relied on in Remedy: Not reported
File Under: Tesoro Hawaii Corporation

74
SW
> 1
1.749 mi.
9236 ft.

**PUU KAPOLEI CENTRAL OFFICE
KAMAHA RD & FT BARRETT RD
KAPOLEI, HI 96707**

**UST U003222114
N/A**

**Relative:
Lower**

UST:

Facility ID: 9-202717
Owner: Hawaiian Telcom
Owner Address: P.O. Box 2200
Ownder City,St,Zip: Kapolei, 96707 96707

**Actual:
61 ft.**

Tank ID: M-1
Date Installed: 9/30/1992
Tank Status: Currently In Use
Date Closed: Not reported
Tank Capacity: 600
Substance: Diesel

75
SSE
> 1
1.826 mi.
9643 ft.

**HONOULIULI WASTEWATER TREATMENT
91-1000 GEIGER RD
EWA BEACH, HI 96706**

**LUST U003221954
UST N/A**

**Relative:
Lower**

LUST:

Facility ID: 9-200139
Facility Status: Site Cleanup Completed (NFA)
Facility Status Date: 09-Feb-99
Release ID: 990086
Project Officer: David Hodges

**Actual:
36 ft.**

UST:

Facility ID: 9-200139
Owner: C&C OF HNL - DEPT OF DESIGN & CONSTRUCTION
Owner Address: Not reported
Ownder City,St,Zip: Ewa Beach, 96706 96706

Tank ID: R-1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

HONOULIULI WASTEWATER TREATMENT (Continued)

U003221954

Date Installed: 5/7/1984
Tank Status: Permanently Out of Use
Date Closed: 12/1/1998
Tank Capacity: 7500
Substance: Diesel

Tank ID: R-2
Date Installed: 5/7/1984
Tank Status: Permanently Out of Use
Date Closed: 12/10/1998
Tank Capacity: 7500
Substance: Diesel

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BARBERS POINT	1001112113	USNAVY DRMO HAWAII KALAELOA	BLDG 140 MIDWAY ST	96862	RCRA-LQG
EWA BEACH	S106817012	EWA SUGAR MILL/OAHU SUGAR CO. - PE	FARRINGTON HWY	96706	SHWS, INST CONTROL
EWA BEACH	1006819246	KAPOLEI PIPELINE FUEL SPILL	KAMOKILA BLVD	96706	SHWS, FINDS, SPILLS, INST CONTROL
EWA BEACH	U003402913	KSSK-FM TRANSMITTER SITE	165 PALEHUA RIDGE(PALEHUA RD 6	96706	UST
KAPOLEI	S109096052	KAPOLEI SHELL	577 FARRINGTON HWY	96707	LUST
KAPOLEI	1010166470	EAST KAPOLEI 215 4.0 MG RESERVOIR	FARRINGTON HIGHWAY	96707	FINDS
KAPOLEI	1009791416	KAPOLEI STATE BUILDING	FARRINGTON HWY	96707	FINDS
KAPOLEI	1009403137	VILLAGES OF KAPOLEI	FARRINGTON HIGHWAY	96707	FINDS
KAPOLEI	1009401508	ISLAND PACIFIC SCHOOL	909 HAUMEA STREET	96707	FTTS, HIST FTTS
KAPOLEI	1010316468	INSITUFORM TECHNOLOGIES INC	91 255 KALAELOA BLVD	96707	RCRA-SQG
KAPOLEI	U004109506	BANK OF HAWAII - HALE O KAPOLEI	949 KAMOKILA BLVD	96707	UST
KAPOLEI	1010783511	KIEWIT PACIFIC, CO.	1001 KAMOKILA BLVD., SUITE 305	96707	MLTS
KAPOLEI	1010685132	KAPOLEI CITY - RESTORATION OF KAPO	KAPOLEI PKWY., KAMOKILA BLVD.,	96707	FINDS
KAPOLEI	U001236158	MAUNA KAPU RADIO STATION	92-1600 KIKAHA ST	96707	UST
KAPOLEI	1011615483	MAKAKILO TEXACO	92 577 MAKAKILO DRIVE	96707	ICIS
KAPOLEI	1011535015	ARCO AM/PM #82109 (TEXACO 61-100-0	92 577 MAKAKILO DRIVE	96707	ICIS
KAPOLEI	1011506943	ARCO 82109	92 577 MAKAKILO DRIVE	96707	ICIS
KAPOLEI	1010683210	KAPOLEI PACIFIC CENTER	MANAWAI STREET,KAPOLEI (SEE TM	96707	FINDS
KAPOLEI	S106820144	PUMP 15 STATION, FORMER OAHU SUGAR	OLD FARRINGTON HWY	96707	SHWS
KAPOLEI	1009403170	HARDWARE HAWAII KAPOLEI BUSINE	UU PLACE	96707	FINDS
KAPOLEI	1011444547	KAPOLEI CITY URBAN CORE 3 ROADS	WAI ANIANI WAY, KAMAHAHA AVENUE	96707	FINDS
KAPOLEI	1010025948	BWS VILLAGES OF KAPOLEI	WESTERLY SIDE OF KAHEKILI HWY	96707	FINDS
WAIMANALO GULCH, OAH-	S106401346	WAIMANALO GULCH LANDFILL, EWA	94-460 FARRINGTON HWY	96707	SWF/LF
WAIPAHU	S108008575	LOT 32 FORMER WAIPAHU SUGAR MILL A	WAIPAHU ST	96797	SHWS, VCP, INST CONTROL
WAIPAHU	S106815927	ABANDONED DRUMS WAIPAHU STREET DUM	WAIPAHU ST	96797	SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

FEDERAL RECORDS

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 5
Telephone 312-886-6686

EPA Region 10
Telephone 206-553-8665

EPA Region 6
Telephone: 214-655-6659

EPA Region 7
Telephone: 913-551-7247

EPA Region 8
Telephone: 303-312-6774

EPA Region 9
Telephone: 415-947-4246

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: No Update Planned

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/07/2008	Source: EPA
Date Data Arrived at EDR: 10/16/2008	Telephone: 703-412-9810
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 10/16/2008
Number of Days to Update: 53	Next Scheduled EDR Contact: 01/12/2009
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 12/15/2008
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/16/2009
	Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/29/2008	Telephone: 202-564-6023
Date Made Active in Reports: 09/09/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 11	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 12/01/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/02/2009
	Data Release Frequency: Quarterly

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/10/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 11/18/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/06/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/30/2008
Next Scheduled EDR Contact: 09/29/2008
Data Release Frequency: Varies

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 01/23/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 54

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/21/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Annually

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/30/2008
Date Data Arrived at EDR: 10/16/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 34

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Annually

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/26/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Varies

CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 12/28/2007
Number of Days to Update: 25

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 10/31/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Quarterly

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 08/25/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 10/16/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Semi-Annually

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/05/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 12/08/2008
Next Scheduled EDR Contact: 03/09/2009
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/25/2008
Date Data Arrived at EDR: 06/12/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 74

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/20/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 06/18/2008
Date Data Arrived at EDR: 07/11/2008
Date Made Active in Reports: 08/25/2008
Number of Days to Update: 45

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 07/13/2007
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Varies

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008
Date Data Arrived at EDR: 04/17/2008
Date Made Active in Reports: 05/15/2008
Number of Days to Update: 28

Source: EPA, Region 9
Telephone: 415-972-3336
Last EDR Contact: 09/22/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/07/2008
Date Data Arrived at EDR: 09/23/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 12/15/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 10/08/2008
Date Data Arrived at EDR: 10/17/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 52

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 12/15/2008
Next Scheduled EDR Contact: 03/16/2009
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 12/04/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/31/2008
Date Data Arrived at EDR: 08/13/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/14/2008
Next Scheduled EDR Contact: 01/12/2009
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/04/2007
Date Data Arrived at EDR: 02/07/2008
Date Made Active in Reports: 03/17/2008
Number of Days to Update: 39

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 09/18/2008
Next Scheduled EDR Contact: 11/03/2008
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/03/2008
Date Data Arrived at EDR: 10/15/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 35

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/29/2008
Next Scheduled EDR Contact: 12/29/2008
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/28/2008
Date Data Arrived at EDR: 10/29/2008
Date Made Active in Reports: 12/08/2008
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/29/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/01/2008	Source: EPA
Date Data Arrived at EDR: 07/09/2008	Telephone: (415) 947-8000
Date Made Active in Reports: 08/25/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 47	Next Scheduled EDR Contact: 12/29/2008
	Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 12/09/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Biennially

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 09/08/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/10/2008	Telephone: 615-532-8599
Date Made Active in Reports: 09/23/2008	Last EDR Contact: 12/08/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/09/2009
	Data Release Frequency: Varies

STATE AND LOCAL RECORDS

SHWS: Sites List

Facilities, sites or areas in which the Office of Hazard Evaluation and Emergency Response has an interest, has investigated or may investigate under HRS 128D (includes CERCLIS sites).

Date of Government Version: 04/04/2008	Source: Department of Health
Date Data Arrived at EDR: 06/18/2008	Telephone: 808-586-4249
Date Made Active in Reports: 07/22/2008	Last EDR Contact: 09/19/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 12/15/2008
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SWF/LF: Permitted Landfills in the State of Hawaii

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2004
Date Data Arrived at EDR: 05/20/2004
Date Made Active in Reports: 06/22/2004
Number of Days to Update: 33

Source: Department of Health
Telephone: 808-586-4245
Last EDR Contact: 11/21/2008
Next Scheduled EDR Contact: 01/19/2009
Data Release Frequency: Varies

LUST: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 06/30/2008
Date Data Arrived at EDR: 07/02/2008
Date Made Active in Reports: 07/22/2008
Number of Days to Update: 20

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Semi-Annually

UST: Underground Storage Tank Database

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/30/2008
Date Data Arrived at EDR: 07/02/2008
Date Made Active in Reports: 07/24/2008
Number of Days to Update: 22

Source: Department of Health
Telephone: 808-586-4228
Last EDR Contact: 09/23/2008
Next Scheduled EDR Contact: 12/22/2008
Data Release Frequency: Semi-Annually

SPILLS: Release Notifications

Releases of hazardous substances to the environment reported to the Office of Hazard Evaluation and Emergency Response since 1988.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 06/18/2008
Date Made Active in Reports: 07/22/2008
Number of Days to Update: 34

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

INST CONTROL: Sites with Institutional Controls

Voluntary Remediation Program and Brownfields sites with institutional controls in place.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 06/18/2008
Date Made Active in Reports: 07/22/2008
Number of Days to Update: 34

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

VCP: Voluntary Response Program Sites

Sites participating in the Voluntary Response Program. The purpose of the VRP is to streamline the cleanup process in a way that will encourage prospective developers, lenders, and purchasers to voluntarily cleanup properties.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 06/18/2008
Date Made Active in Reports: 07/22/2008
Number of Days to Update: 34

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DRYCLEANERS: Permitted Drycleaner Facility Listing

A listing of permitted drycleaner facilities in the state.

Date of Government Version: 03/28/2008
Date Data Arrived at EDR: 03/28/2008
Date Made Active in Reports: 04/24/2008
Number of Days to Update: 27

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 12/11/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Varies

BROWNFIELDS: Brownfields Sites

With certain legal exclusions and additions, the term 'brownfield site' means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant.

Date of Government Version: 04/04/2008
Date Data Arrived at EDR: 06/18/2008
Date Made Active in Reports: 07/22/2008
Number of Days to Update: 34

Source: Department of Health
Telephone: 808-586-4249
Last EDR Contact: 09/19/2008
Next Scheduled EDR Contact: 12/15/2008
Data Release Frequency: Varies

AIRS: List of Permitted Facilities

A listing of permitted facilities in the state.

Date of Government Version: 03/28/2008
Date Data Arrived at EDR: 03/28/2008
Date Made Active in Reports: 04/24/2008
Number of Days to Update: 27

Source: Department of Health
Telephone: 808-586-4200
Last EDR Contact: 11/10/2008
Next Scheduled EDR Contact: 01/26/2009
Data Release Frequency: Varies

TRIBAL RECORDS

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 11/07/2008
Next Scheduled EDR Contact: 02/02/2009
Data Release Frequency: Semi-Annually

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/24/2008
Next Scheduled EDR Contact: 02/23/2009
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/22/2008
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 18

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/10/2008
Date Data Arrived at EDR: 10/10/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/21/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 5

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 03/17/2008
Date Data Arrived at EDR: 03/27/2008
Date Made Active in Reports: 05/06/2008
Number of Days to Update: 40

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/19/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008
Date Data Arrived at EDR: 03/14/2008
Date Made Active in Reports: 03/20/2008
Number of Days to Update: 6

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/06/2008
Date Data Arrived at EDR: 10/09/2008
Date Made Active in Reports: 11/19/2008
Number of Days to Update: 41

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/08/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/01/2007
Date Data Arrived at EDR: 06/14/2007
Date Made Active in Reports: 07/05/2007
Number of Days to Update: 21

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 11/19/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/21/2008
Date Data Arrived at EDR: 09/04/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 5

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 10/16/2008
Number of Days to Update: 27

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 08/22/2008
Date Data Arrived at EDR: 08/22/2008
Date Made Active in Reports: 09/09/2008
Number of Days to Update: 18

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 11/17/2008
Next Scheduled EDR Contact: 02/16/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 10/20/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 01/19/2009
	Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

EAST KAPOLEI SITES
FARRINGTON HIGHWAY
KAPOLEI, HI 96706

TARGET PROPERTY COORDINATES

Latitude (North):	21.35148 - 21° 21' 5.3"
Longitude (West):	158.054 - 158° 3' 14.4"
Universal Transverse Mercator:	Zone 4
UTM X (Meters):	598089.5
UTM Y (Meters):	2361203.5
Elevation:	98 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	21158-C1 EWA, HI
Most Recent Revision:	Not reported

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

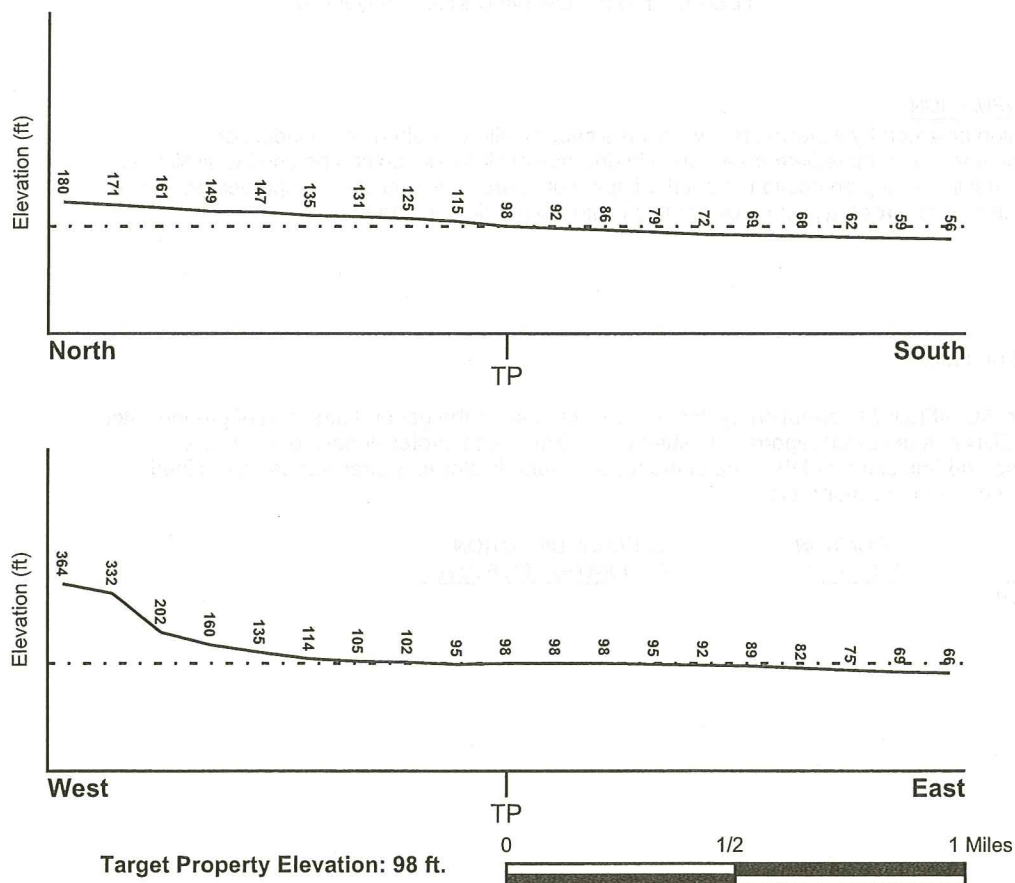
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General South

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County
HONOLULU, HI

FEMA Flood Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 1500010105A

Additional Panels in search area: 1500010110D
1500010130C

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
EWA

NWI Electronic Data Coverage
YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

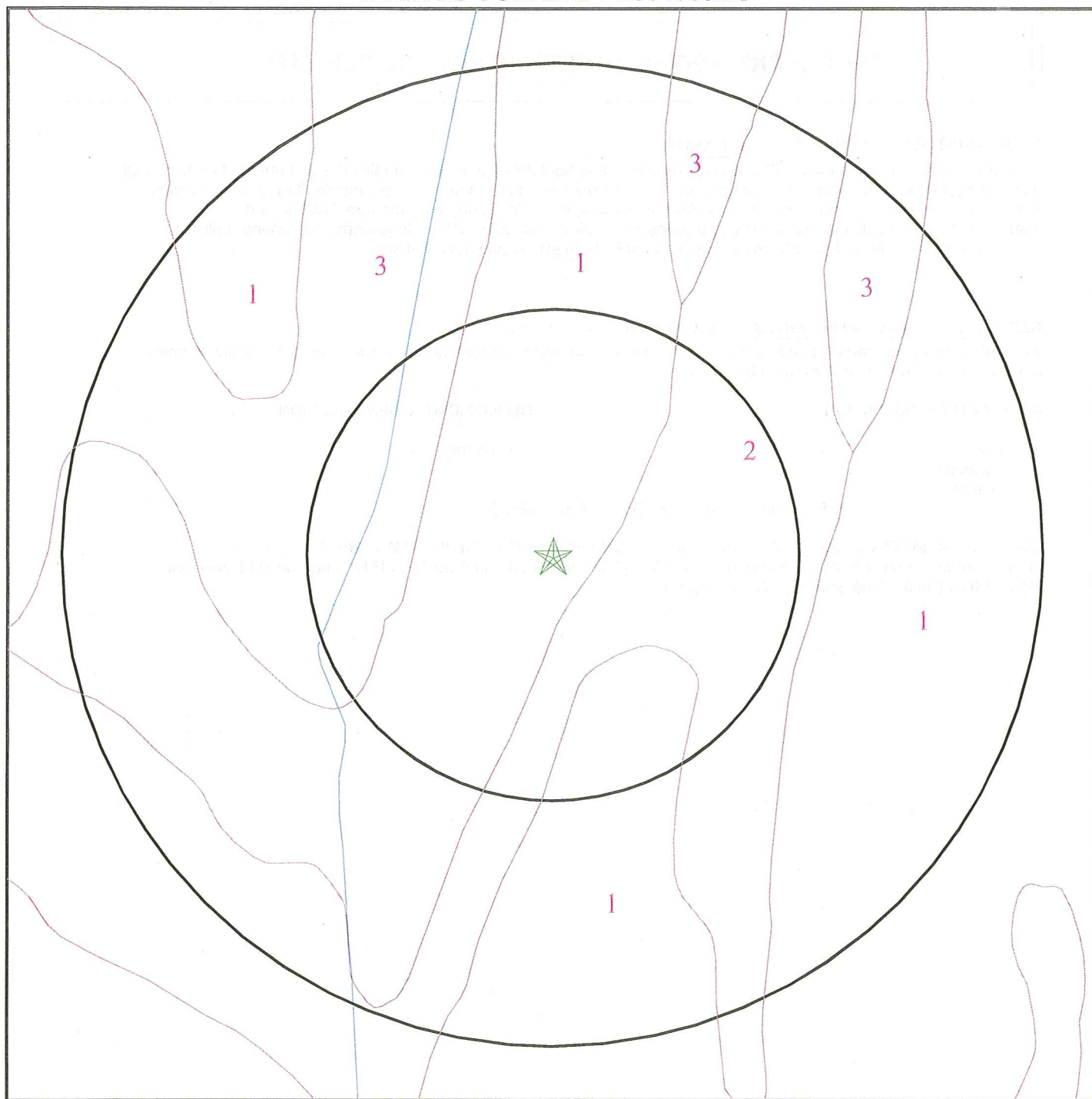
Era: -
System: -
Series: -
Code: N/A (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

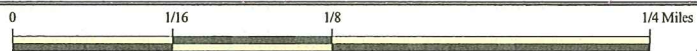
Category: -

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 2384685.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: East Kapolei Sites
ADDRESS: Farrington Highway
Kapolei HI 96706
LAT/LONG: 21.3515 / 158.0540

CLIENT: Environet
CONTACT: Stephanie Davis
INQUIRY #: 2384685.2s
DATE: December 17, 2008 1:53 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Honouliuli

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6
2	14 inches	68 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6

Soil Map ID: 2

Soil Component Name: Waialua

Soil Surface Texture: silty clay

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	11 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 7.3 Min: 6.1
2	11 inches	59 inches	silty clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4.23 Min: 1.41	Max: 7.3 Min: 6.1

Soil Map ID: 3

Soil Component Name: Honouliuli

Soil Surface Texture: clay

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6
2	14 inches	68 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 1.41 Min: 0.01	Max: 7.8 Min: 6.6

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A3	HI0000355	1/2 - 1 Mile WNW

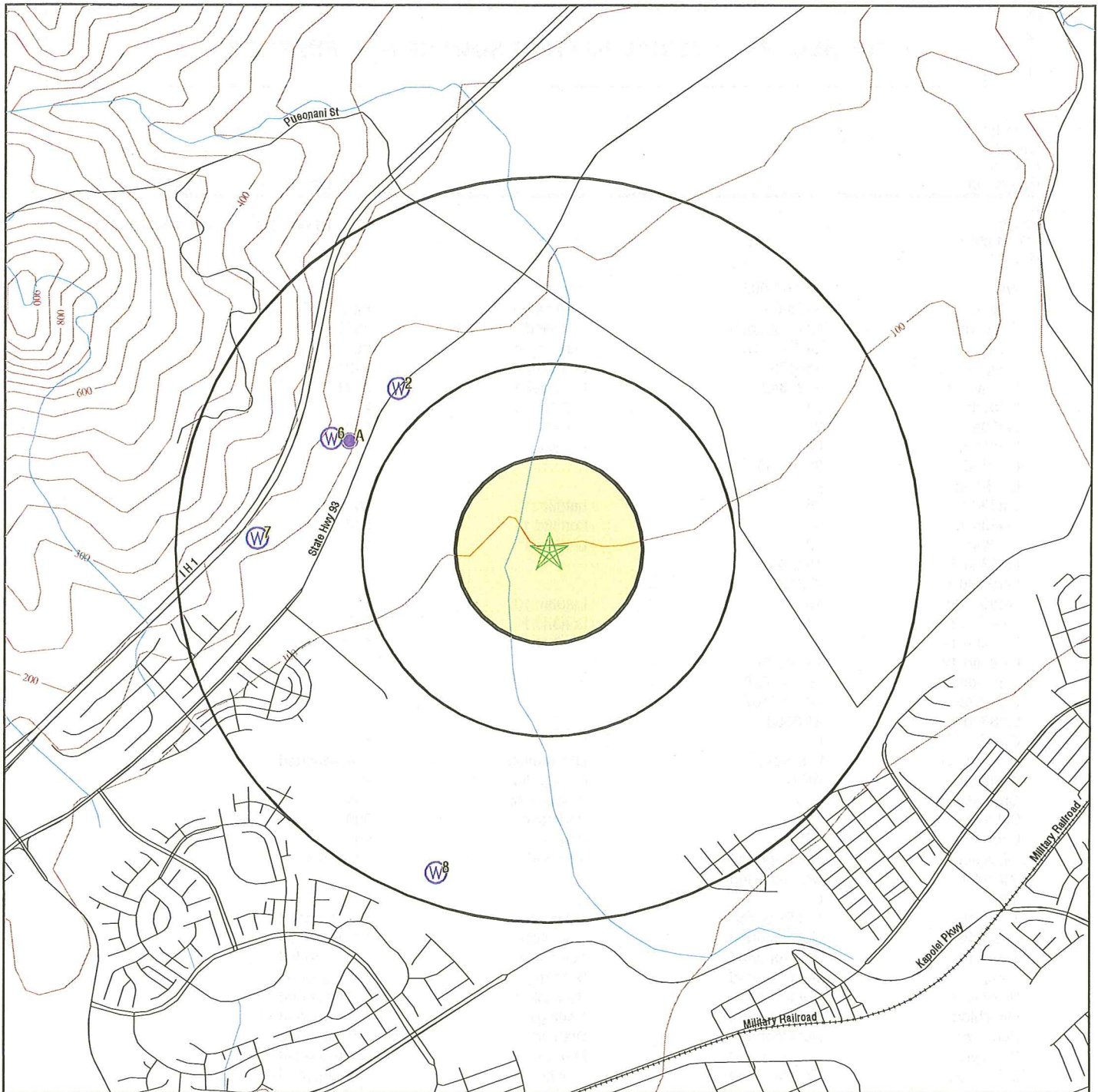
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	HI3000000002356	1/2 - 1 Mile WNW
2	HI3000000002365	1/2 - 1 Mile NW
A4	HI3000000002345	1/2 - 1 Mile WNW
A5	HI3000000002357	1/2 - 1 Mile WNW
6	HI3000000002355	1/2 - 1 Mile WNW
7	HI3000000002330	1/2 - 1 Mile West
8	HI3000000002234	1/2 - 1 Mile SSW

PHYSICAL SETTING SOURCE MAP - 2384685.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: East Kapolei Sites
 ADDRESS: Farrington Highway
 Kapolei HI 96706
 LAT/LONG: 21.3515 / 158.0540

CLIENT: Environet
 CONTACT: Stephanie Davis
 INQUIRY #: 2384685.2s
 DATE: December 17, 2008 1:53 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
WNW
1/2 - 1 Mile
Higher

HI WELLS HI3000000002356

Wid: 3-2103-005
Well no: 2103-05
Old name: Not Reported
Driller: GEOLABS
Longitude2: 1580352
Longitude8: 1580342
Lat83d: 21
Lat83s: 21
Lon83m: 03
Lat83dd: 21.35583
Lon83dd: -158.06167
Lat83d 1: 15
Lat83s 1: 34
Lon83m 1: 12
Lat83dd 1: 16.34278
Lon83dd 1: -212.20028
Lat83d 12: 15
Lat83s 12: 34
Lon83m 12: 12
Lat83dd 12: 16.34278
Lon83dd 12: -212.20028
Long83dd: -158.06167
Lat83dd 13: 21.35583
Gps: 0
Owner user: U S Navy
Well type: ROT
Ground el: 148
Solid case: 120
Use: OBS
Init water: Not Reported
Init chlor: Not Reported
Init cl: 0
Test date: Not Reported
Test ddown: Not Reported
Test temp: Not Reported
Pump gpm: Not Reported
Head feet: Not Reported
Min chlor: Not Reported
Pump yr: Not Reported
Head yr: Not Reported
Maxchl yr: Not Reported
Minchl yr: Not Reported
Bot solid: 28
Spec capac: Not Reported
Draft mgd: Not Reported
Tmk: 9-1-016:227
Aqui code: 30204
Cur head: Not Reported
Cur temp: Not Reported
Pir: Not Reported

Island: 3
Well name: Barbers Pt Shall
Yr drilled: 1999
Quad map: 06
Latitude27: 212132
Latitude83: 212121
Lat83m: 21
Lon83d: 158
Lon83s: 42
Lat83m 1: 80
Lon83d 1: 212
Lon83s 1: 1
Lat83m 12: 80
Lon83d 12: 212
Lon83s 12: 1
Utm: 1
Old number: Not Reported
Casing dia: 2
Well depth: 300
Perf case: 300
Use year: 99
Init head: 14.75000
Test gpm: Not Reported
Test chlor: Not Reported
Temp unit: Not Reported
Draft mgy: Not Reported
Max chlor: Not Reported
Geology: Not Reported
Draft yr: Not Reported
Maxchl: Not Reported
Minchl: Not Reported
Bot hole: -152
Bot perf: -152
Pump mgd: Not Reported
Aquifer: Not Reported
Old aqui: Not Reported
Latest hd: Not Reported
Cur cl: Not Reported
Wcr: #####
Surveyor: PAUL ERYE

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

T: Not Reported Pump elev: Not Reported
Pump depth: Not Reported Site id: HI3000000002356

2

NW
1/2 - 1 Mile
Higher

HI WELLS

HI3000000002365

Wid:	3-2103-002	Island:	3
Well no:	2103-02	Well name:	Puu Makakilo
Old name:	Not Reported	Yr drilled:	1942
Driller:	NAT WHITON	Quad map:	06
Longitude2:	1580347	Latitude27:	212139
Longitude8:	1580337	Latitude83:	212128
Lat83d:	21	Lat83m:	21
Lat83s:	28	Lon83d:	158
Lon83m:	03	Lon83s:	37
Lat83dd:	21.35778		
Lon83dd:	-158.06028		
Lat83d 1:	15	Lat83m 1:	80
Lat83s 1:	33	Lon83d 1:	212
Lon83m 1:	12	Lon83s 1:	8
Lat83dd 1:	16.3425		
Lon83dd 1:	-212.20222		
Lat83d 12:	15	Lat83m 12:	80
Lat83s 12:	33	Lon83d 12:	212
Lon83m 12:	12	Lon83s 12:	8
Lat83dd 12:	16.3425		
Lon83dd 12:	-212.20222		
Long83dd:	-158.06028		
Lat83dd 13:	21.35778		
Gps:	0	Utm:	1
Owner user:	U S Navy	Old number:	T20-
Well type:	Not Reported	Casing dia:	6
Ground el:	140	Well depth:	137
Solid case:	9	Perf case:	Not Reported
Use:	OBS	Use year:	74
Init water:	16.9	Init head:	16.90000
Init chlor:	251		
Init cl:	251		
Test date:	Not Reported	Test gpm:	Not Reported
Test ddown:	Not Reported	Test chlor:	Not Reported
Test temp:	Not Reported	Temp unit:	Not Reported
Pump gpm:	Not Reported	Draft mgy:	Not Reported
Head feet:	15.2	Max chlor:	285
Min chlor:	114	Geology:	TWDC
Pump yr:	Not Reported	Draft yr:	Not Reported
Head yr:	Not Reported	Maxchl:	Not Reported
Maxchl yr:	0	Minchl:	Not Reported
Minchl yr:	0	Bot hole:	3
Bot solid:	131	Bot perf:	Not Reported
Spec capac:	Not Reported	Pump mgd:	Not Reported
Draft mgd:	Not Reported	Aquifer:	30204
Tmk:	9-1-016:025	Old aqu:	Not Reported
Aqui code:	30204	Latest hd:	15.20000
Cur head:	Not Reported	Cur cl:	Not Reported
Cur temp:	Not Reported	Wcr:	1/1/1942
Pir:	Not Reported	Surveyor:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

T: Not Reported Pump elev: Not Reported
Pump depth: Not Reported Site id: HI3000000002365

A3
WNW
1/2 - 1 Mile
Higher

FRDS PWS HI0000355

PWS ID: HI0000355 PWS Status: Not Reported
Date Initiated: Not Reported Date Deactivated: Not Reported
PWS Name: BARBERS POINT
BARBARS POINT NAVAL BASE
OAHU
BARBERS POINT, HI 96706

Addressee / Facility: System Owner/Responsible Party
MR. GORDON MATSUSHITA
PACIFIC DIVISION
NAVAL FACILITIES ENG. COMMAND
PEARL HARBOR, HI 96860

Facility Latitude: 21 21 31.0000 Facility Longitude: 158 3 55.0000
City Served: BARBERS POINT
Treatment Class: Treated Population: 5256

Violations information not reported.

A4
WNW
1/2 - 1 Mile
Higher

HI WELLS HI3000000002345

Wid:	3-2103-004	Island:	3
Well no:	2103-04	Well name:	Barbers Pt. Mon
Old name:	Not Reported	Yr drilled:	1992
Driller:	U S G S	Quad map:	06
Longitude2:	1580355	Latitude27:	212131
Longitude8:	1580345	Latitude83:	212120
Lat83d:	21	Lat83m:	21
Lat83s:	20	Lon83d:	158
Lon83m:	03	Lon83s:	45
Lat83dd:	21.35556		
Lon83dd:	-158.0625		
Lat83d 1:	15	Lat83m 1:	80
Lat83s 1:	34	Lon83d 1:	212
Lon83m 1:	12	Lon83s 1:	0
Lat83dd 1:	16.34278		
Lon83dd 1:	-212.2		
Lat83d 12:	15	Lat83m 12:	80
Lat83s 12:	34	Lon83d 12:	212
Lon83m 12:	12	Lon83s 12:	0
Lat83dd 12:	16.34278		
Lon83dd 12:	-212.2		
Long83dd:	-158.0625		
Lat83dd 13:	21.35556		
Gps:	1	Utm:	0
Owner user:	U S Navy	Old number:	Not Reported
Well type:	ROT	Casing dia:	8
Ground el:	146	Well depth:	490
Solid case:	225	Perf case:	490
Use:	OBS	Use year:	92
Init water:	Not Reported	Init head:	15.00000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Init chlor:	Not Reported	Test gpm:	Not Reported
Init cl:	0	Test chlor:	Not Reported
Test date:	Not Reported	Temp unit:	Not Reported
Test ddown:	Not Reported	Draft mgy:	Not Reported
Test temp:	Not Reported	Max chlor:	Not Reported
Pump gpm:	Not Reported	Geology:	TWB
Head feet:	Not Reported	Draft yr:	Not Reported
Min chlor:	Not Reported	Maxchl:	Not Reported
Pump yr:	Not Reported	Minchl:	Not Reported
Head yr:	Not Reported	Bot hole:	-344
Maxchl yr:	Not Reported	Bot perf:	-344
Minchl yr:	Not Reported	Pump mgd:	Not Reported
Bot solid:	-79	Aquifer:	Not Reported
Spec capac:	Not Reported	Old aqui:	Not Reported
Draft mgd:	Not Reported	Latest hd:	14.58000
Tmk:	9-1-016:227	Cur cl:	Not Reported
Aqui code:	30204	Wcr:	#####
Cur head:	Not Reported	Surveyor:	U S G S
Cur temp:	Not Reported	Pump elev:	Not Reported
Pir:	Not Reported	Site id:	HI3000000002345
T:	Not Reported		
Pump depth:	Not Reported		

A5
WNW
1/2 - 1 Mile
Higher

HI WELLS HI3000000002357

Wid:	3-2103-003	Island:	3
Well no:	2103-03	Well name:	Barbers Pt Shaft
Old name:	Not Reported	Yr drilled:	1943
Driller:	Not Reported	Quad map:	06
Longitude2:	1580355	Latitude27:	212133
Longitude8:	1580345	Latitude83:	212122
Lat83d:	21	Lat83m:	21
Lat83s:	22	Lon83d:	158
Lon83m:	03	Lon83s:	45
Lat83dd:	21.35611	Lat83m 1:	80
Lon83dd:	-158.0625	Lon83d 1:	212
Lat83d 1:	15	Lon83s 1:	2
Lat83s 1:	34	Lat83m 12:	80
Lon83m 1:	12	Lon83d 12:	212
Lat83dd 1:	16.34278	Lon83s 12:	2
Lon83dd 1:	-212.20056	Utm:	0
Lat83d 12:	15	Old number:	SH14-
Lat83s 12:	34	Casing dia:	72
Lon83m 12:	12	Well depth:	204
Lat83dd 12:	16.34278	Perf case:	Not Reported
Lon83dd 12:	-212.20056	Use year:	86
Long83dd:	-158.0625	Init head:	14.10000
Lat83dd 13:	21.35611		
Gps:	1		
Owner user:	Navy Public Works Center		
Well type:	SHF		
Ground el:	200		
Solid case:	Not Reported		
Use:	MIL		
Init water:	14.1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Init chlor:	Not Reported	Test gpm:	Not Reported
Init cl:	0	Test chlor:	Not Reported
Test date:	Not Reported	Temp unit:	C
Test ddown:	Not Reported	Draft mgy:	1051
Test temp:	23.0	Max chlor:	258
Pump gpm:	Not Reported	Geology:	TWDC
Head feet:	16.7	Draft yr:	76
Min chlor:	194	Maxchl:	Not Reported
Pump yr:	Not Reported	Minchl:	Not Reported
Head yr:	Not Reported	Bot hole:	-4
Maxchl yr:	0	Bot perf:	Not Reported
Minchl yr:	0	Pump mgd:	Not Reported
Bot solid:	Not Reported	Aquifer:	30204
Spec capac:	Not Reported	Old aqui:	Not Reported
Draft mgd:	2.9	Latest hd:	16.70000
Tmk:	9-1-016:007	Cur cl:	Not Reported
Aqui code:	30204	Wcr:	1/1/1943
Cur head:	Not Reported	Surveyor:	Not Reported
Cur temp:	Not Reported	Pump elev:	Not Reported
Pir:	Not Reported	Site id:	HI3000000002357
T:	Not Reported		
Pump depth:	Not Reported		

6

WNW
1/2 - 1 Mile
Higher

HI WELLS

HI3000000002355

Wid:	3-2103-001	Island:	3
Well no:	2103-01	Well name:	Puu Makakilo
Old name:	Not Reported	Yr drilled:	1942
Driller:	NAT WHITON	Quad map:	06
Longitude2:	1580357	Latitude27:	212132
Longitude8:	1580347	Latitude83:	212121
Lat83d:	21	Lat83m:	21
Lat83s:	21	Lon83d:	158
Lon83m:	03	Lon83s:	47
Lat83dd:	21.35583		
Lon83dd:	-158.06306	Lat83m 1:	80
Lat83d 1:	15	Lon83d 1:	212
Lat83s 1:	34	Lon83s 1:	1
Lon83m 1:	12		
Lat83dd 1:	16.34278	Lat83m 12:	80
Lon83dd 1:	-212.20028	Lon83d 12:	212
Lat83d 12:	15	Lon83s 12:	1
Lat83s 12:	34		
Lon83m 12:	12		
Lat83dd 12:	16.34278		
Lon83dd 12:	-212.20028		
Long83dd:	-158.06306		
Lat83dd 13:	21.35583		
Gps:	0	Utm:	1
Owner user:	U S Navy	Old number:	T19-
Well type:	Not Reported	Casing dia:	6
Ground el:	210	Well depth:	206
Solid case:	17	Perf case:	Not Reported
Use:	OBSWL	Use year:	74
Init water:	16.6	Init head:	16.60000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Init chlor:	200	Test gpm:	Not Reported
Init cl:	200	Test chlor:	Not Reported
Test date:	Not Reported	Temp unit:	Not Reported
Test ddown:	Not Reported	Draft mgy:	Not Reported
Test temp:	Not Reported	Max chlor:	250
Pump gpm:	Not Reported	Geology:	TWDC
Head feet:	16.0	Draft yr:	Not Reported
Min chlor:	164	Maxchl:	Not Reported
Pump yr:	Not Reported	Minchl:	Not Reported
Head yr:	Not Reported	Bot hole:	4
Maxchl yr:	0	Bot perf:	Not Reported
Minchl yr:	0	Pump mgd:	Not Reported
Bot solid:	193	Aquifer:	30204
Spec capac:	Not Reported	Old aqui:	Not Reported
Draft mgd:	Not Reported	Latest hd:	14.30000
Tmk:	9-1-016:007	Cur cl:	Not Reported
Aqui code:	30204	Wcr:	1/1/1942
Cur head:	Not Reported	Surveyor:	Not Reported
Cur temp:	Not Reported	Pump elev:	Not Reported
Pir:	Not Reported	Site id:	HI3000000002355
T:	Not Reported		
Pump depth:	Not Reported		

7

West
1/2 - 1 Mile
Higher

HI WELLS

HI3000000002330

Wid:	3-2104-001	Island:	3
Well no:	2104-01	Well name:	Makakilo Quarry
Old name:	Not Reported	Yr drilled:	1976
Driller:	ROSCOE MOSS	Quad map:	06
Longitude2:	1580408	Latitude27:	212118
Longitude8:	1580358	Latitude83:	212107
Lat83d:	21	Lat83m:	21
Lat83s:	07	Lon83d:	158
Lon83m:	03	Lon83s:	58
Lat83dd:	21.35194		
Lon83dd:	-158.06611	Lat83m 1:	80
Lat83d 1:	15	Lon83d 1:	212
Lat83s 1:	35	Lon83s 1:	7
Lon83m 1:	10		
Lat83dd 1:	16.34306	Lat83m 12:	80
Lon83dd 1:	-212.16861	Lon83d 12:	212
Lat83d 12:	15	Lon83s 12:	7
Lat83s 12:	35		
Lon83m 12:	10	Utm:	1
Lat83dd 12:	16.34306	Old number:	Not Reported
Lon83dd 12:	-212.16861	Casing dia:	12
Long83dd:	-158.06611	Well depth:	176
Lat83dd 13:	21.35194	Perf case:	160
Gps:	0	Use year:	82
Owner user:	Grace Pacific Corp	Init head:	Not Reported
Well type:	PER		
Ground el:	125		
Solid case:	140		
Use:	INDMI		
Init water:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Init chlor:	Not Reported	Test gpm:	Not Reported
Init cl:	0	Test chlor:	Not Reported
Test date:	Not Reported	Temp unit:	Not Reported
Test ddown:	Not Reported	Draft mgy:	Not Reported
Test temp:	Not Reported	Max chlor:	204
Pump gpm:	750.00000	Geology:	TWB
Head feet:	Not Reported	Draft yr:	Not Reported
Min chlor:	Not Reported	Maxchl:	Not Reported
Pump yr:	Not Reported	Minchl:	Not Reported
Head yr:	Not Reported	Bot hole:	-51
Maxchl yr:	0	Bot perf:	-35
Minchl yr:	0	Pump mgd:	1.080
Bot solid:	-15	Aquifer:	30204
Spec capac:	Not Reported	Old aqui:	Not Reported
Draft mgd:	Not Reported	Latest hd:	Not Reported
Tmk:	9-1-016:004	Cur cl:	Not Reported
Aqui code:	30204	Wcr:	3/1/1976
Cur head:	Not Reported	Surveyor:	Not Reported
Cur temp:	Not Reported	Pump elev:	Not Reported
Pir:	Not Reported	Site id:	HI3000000002330
T:	Not Reported		
Pump depth:	Not Reported		

8

SSW

1/2 - 1 Mile

Lower

HI WELLS

HI3000000002234

Wid:	3-2003-005	Island:	3
Well no:	2003-05	Well name:	Kapolei Irr E
Old name:	Not Reported	Yr drilled:	1991
Driller:	ROSCOE MOSS	Quad map:	06
Longitude2:	1580341	Latitude27:	212031
Longitude8:	1580331	Latitude83:	212020
Lat83d:	21	Lat83m:	20
Lat83s:	20	Lon83d:	158
Lon83m:	03	Lon83s:	31
Lat83dd:	21.33889		
Lon83dd:	-158.05861	Lat83m 1:	80
Lat83d 1:	15	Lon83d 1:	212
Lat83s 1:	33	Lon83s 1:	0
Lon83m 1:	02		
Lat83dd 1:	16.3425	Lat83m 12:	80
Lon83dd 1:	-212.03333	Lon83d 12:	212
Lat83d 12:	15	Lon83s 12:	0
Lat83s 12:	33		
Lon83m 12:	02	Utm:	1
Lat83dd 12:	16.3425	Old number:	Not Reported
Lon83dd 12:	-212.03333	Casing dia:	12
Long83dd:	-158.05861	Well depth:	100
Lat83dd 13:	21.33889	Perf case:	90
Gps:	0	Use year:	92
Owner user:	Kpi	Init head:	1.20000
Well type:	PER		
Ground el:	60		
Solid case:	62		
Use:	IRRG		
Init water:	1.2		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Init chlor: Not Reported
Init cl: 450
Test date: 6/3/1991
Test ddown: 12.6
Test temp: 25.0
Pump gpm: 150.00000
Head feet: Not Reported
Min chlor: Not Reported
Pump yr: 92
Head yr: Not Reported
Maxchl yr: 0
Minchl yr: 0
Bot solid: -2
Spec capac: 12
Draft mgd: Not Reported
Tmk: 9-1-016:108
Aqui code: 30208
Cur head: Not Reported
Cur temp: Not Reported
Pir: #####
T: Not Reported
Pump depth: 90

Test gpm: 150
Test chlor: 460
Temp unit: C
Draft mgy: Not Reported
Max chlor: Not Reported
Geology: PLS
Draft yr: Not Reported
Maxchl: Not Reported
Minchl: Not Reported
Bot hole: -40
Bot perf: -30
Pump mgd: .216
Aquifer: 30204
Old aqui: Not Reported
Latest hd: Not Reported
Cur cl: Not Reported
Wcr: #####
Surveyor: KENDALL N H HEE
Pump elev: -30
Site id: HI3000000002234

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for HONOLULU County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 96706

Number of sites tested: 6

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	-0.150 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	-0.200 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Well Index Database

Source: Department of Land and Natural Resources

Telephone: 808-587-0214

CWRM maintains a Well Index Database to track specific information pertaining to the construction and installation of production wells in Hawaii

OTHER STATE DATABASE INFORMATION

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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THE HISTORY OF THE UNITED STATES

OF THE UNITED STATES OF AMERICA
FROM THE FIRST SETTLEMENTS TO THE PRESENT TIME
BY JAMES M. SMITH

**East Kapolei Sites
Farrington Highway
Kapolei, HI 96706**

Inquiry Number: 2384685.3

December 17, 2008

Certified Sanborn® Map Report



EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

12/17/08

Site Name:

East Kapolei Sites
Farrington Highway
Kapolei, HI 96706

Client Name:

Environet
1100 Alakea
Honolulu, HI 96813



Environmental Data Resources Inc

EDR Inquiry # 2384685.3

Contact: Stephanie Davis

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Environet were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: East Kapolei Sites
Address: Farrington Highway
City, State, Zip: Kapolei, HI 96706
Cross Street:
P.O. # 408-042
Project: East Kapolei Si
Certification # 54D5-4371-8304



Sanborn® Library search results
Certification # 54D5-4371-8304

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

Total Maps: 0

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Appendix C: Interview Documentation

ENVIRONET, INC.
ENVIRONMENTAL SITE ASSESSMENT USER QUESTIONNAIRE

DATE: December 30, 2008

FACILITY NAME AND ADDRESS: East Kapolei II Subdivision, Kapolei, Hawaii

JOB NAME: _____

OWNER: State of Hawaii, Department of Land and Natural Resources

JOB NO.: _____

NOTE: Failure to provide this information to Environet, Inc. could result in a determination that "all appropriate inquiry" is not complete.

1. NAME/TITLE/PHONE NUMBER OF PERSON BEING INTERVIEWED

Darrell Ing / Project Manager / (808) 620-9276

2. JOB DESCRIPTION/NO. OF YEARS FAMILIAR WITH THE SITE

Development of lands for residential and other uses as permitted by the Hawaiian Homes Commission Act of 1920. 5 years

3. WHAT IS THE REASON FOR CONDUCTING THIS ENVIRONMENTAL SITE ASSESSMENT?

Land conveyance

4. GENERAL SITE INFORMATION, BACKGROUND, NATURE OF OPERATIONS HOW LONG HAS THE FACILITY BEEN HERE? WHAT WAS HERE BEFORE?

The site and surrounding lands were used to cultivate sugarcane by the Oahu Sugar Co., Ltd. A .6-acre area, currently fenced-in, contains a pesticide mixing and loading plant, whose operations are believed to have begun at this site in 1953, and ceased in 1994, when Oahu Sugar Co., Ltd. closed its business. The State of Hawaii acquired the site on August 22, 1994 by Land Court Document No. 2181717, recorded at the State of Hawaii Bureau of Conveyances on September 21, 1994.

The mixing plant has not been operated since the State acquired it in 1994. What remains of the mixing plant is an abandoned forty by eighteen foot (40' x 18') wooden storage building that was used for office and storage space, an eighteen by fourteen foot (18' x 14') metal building that was used to house a boiler, and four (4) elevated steel storage tanks of various capacities that are twelve (12), twenty-two (22) and thirty-two (32) feet above ground.

5. ARE YOU AWARE OF ANY ENVIRONMENTAL CLEANUP LIENS THAT HAVE BEEN FILED OR RECORDED FOR YOUR PROPERTY UNDER FEDERAL, TRIBAL, STATE, OR LOCAL LAW?

No.

6. ARE YOU AWARE OF ANY ACTIVITY AND USE LIMITATIONS, SUCH AS ENGINEERING CONTROLS, LAND USE RESTRICTIONS, OR INSTITUTIONAL CONTROLS THAT ARE IN PLACE AT THE SITE? ARE YOU AWARE OF ANY ACTIVITY AND USE LIMITATIONS THAT HAVE BEEN FILED OR RECORDED IN A REGISTRY UNDER FEDERAL, TRIBAL, STATE, OR LOCAL LAW?

The site has been fenced off and locked, and warning signs posted.

7. AS THE USER OF THIS ENVIRONMENTAL SITE ASSESSMENT DO YOU HAVE ANY SPECIALIZED KNOWLEDGE OR EXPERIENCE RELATED TO THE PROPERTY OR NEARBY PROPERTIES?

Clean-up/remediation of the pesticide plant will be required before residential development can proceed.

8. DOES THE PURCHASE PRICE BEING PAID FOR THIS PROPERTY REASONABLY REFLECT FAIR MARKET VALUE OF THE PROPERTY? IF YOU CONCLUDE THERE IS A DIFFERENCE, DO YOU FEEL THAT THE LOWER PRICE FOR THE PROPERTY IS A RESULT OF KNOWN OR SUSPECTED CONTAMINATION AT THE PROPERTY?

Not applicable – conveyance will be a transfer from one government agency to another; no valuation has been established.

9. ARE YOU AWARE OF ANY COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION ABOUT THE PROPERTY THAT WOULD HELP TO IDENTIFY CONDITIONS INDICATIVE OF RELEASES OR THREATENED RELEASES (e.g. PAST USES OF PROPERTY, CHEMICALS PRESENT ON THE PROPERTY, SPILLS OR RELEASES AT THE PROPERTY, ENVIRONMENTAL CLEANUPS AT THE PROPERTY)?

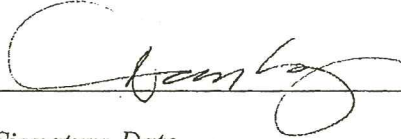
Numerous investigations have been conducted, including: AMEC Earth and Environmental, Inc., *Phase I Environmental Site Assessment at East Kapolei Brownfield, Kapolei, Hawaii*, September 2004; Enviroservices and Training Center LLC, *Final Site Investigation and Preliminary Remedial Alternatives Analysis Reprot, East Kapolei*, August 2007.

10. AS THE USER OF THIS ENVIRONMENTAL SITE ASSESSMENT, BASED ON YOUR KNOWLEDGE AND EXPERIENCE RELATED TO THE PROPERTY ARE THERE ANY OBVIOUS INDICATORS THAT POINT TO THE PRESENCE OF LIKELY PRESENCE OF CONTAMINATION AT THE PROPERTY?

Environmental contamination at the site is a result of the historic use of pesticides for sugarcane production. Pesticides were mixed and loaded onto spray trucks for dispersal in the adjacent sugar fields. Pesticides used in sugarcane production included sodium arsenite (arsenic), ametryn, diuron, atrazine, and pentachlorophenol.

I hereby authorize that the aforementioned statements are true to the best of my available knowledge.

Darrell Ing



December 30, 2008

Print Name Signature Date

Appendix D: Qualifications

ENVIRONET, INC.

STATEMENT OF QUALIFICATIONS

Environet, Incorporated (Environet) conducts Phase I Environmental Site Assessments (ESAs) that comply with and exceed the requirements of the American Society of Testing Materials (ASTM E 1527-05) guidelines. In observance to the guidelines, Environet's goal in accomplishing ESAs is to "perform all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice." Environet's personnel are trained to identify recognized environmental conditions on commercial properties. Environet has conducted hundreds of ESAs throughout Hawai'i and the Pacific. Environet has been exposed to a variety of projects including automotive repair shops, powerplants, and abandoned sugar mills. Specific project experience and a brief background of Environet's trained personnel is provided below:

Colette Sakoda

Ms. Sakoda has over two decades of environmental and community planning experience in both the public and private sectors. She has managed and staffed multi-disciplinary environmental planning projects which have included community consultation, field reconnaissance, documentation, preparation of NEPA environmental impact statements, NEPA Categorical Exclusions evaluations and assessments and Chapter 343, HRS environmental evaluation. She has prepared waterfront redevelopment and new community master plans and processed land use and environmental permits for new developments. She has extensive experience in acquiring State Historic Preservation Officer approvals, has coordinated Section 106 consultation tasks and has managed Section 7 Endangered Species Biological Assessment preparation and consultation with USFWS and NMFS. She is adept at communicating technical engineering, legal, and environmental concepts to the general public and has participated in the community involvement and neighborhood participation phases of project planning with the focus on obtaining consensus and project acceptance. Over her many years of experience she has conducted numerous Phase I ESAs, and EBSs.

Stephanie Davis

Ms. Davis has over 10 years of experience in the environmental sciences field. She has gained a working knowledge of environmental regulations through her experience with the Department of Fish and Wildlife and the National Oceanic and Atmospheric Administration. She has conducted numerous ESAs in Hawai'i for commercial and residential buildings, resort hotels, auto body shops, maintenance facilities, and undeveloped land. Ms. Mandina is aware of all current ESA standards and regulations.

Vilma C. Dupra

Ms. Dupra has over 15 years of experience in environmental science. She has conducted various Phase I ESAs in Hawai'i for commercial and residential properties including warehouses, maintenance facilities, research laboratories, hotels and apartments, and undeveloped lands. Ms. Dupra is aware of all current ESA standards and regulations.

Environet, Inc.

In addition to ESAs, Environet is well qualified to perform numerous other environmental tasks, which include, but are not limited to the following:

Due Diligence and Property Services

- Phase II investigations and remedial investigations
- Corporate lender, buyer, consultation, and environmental project management
- Litigation support, litigation expert and expert witness, forensic chemical analysis
- Hazardous waste removal

Subsurface Investigations

- Soil and groundwater contamination delineation and remediation
- Passive and active soil-gas analysis
- Groundwater gradient and tidal studies
- Bioplume, bioscreen, and modflow modeling

Remediation

- Phase II remedial investigations
- Soil removal actions
- Hazardous waste characterization and removal
- Groundwater treatment and remediation

Environmental Planning

- Environmental Assessments/Impact Statements
- Water resources planning and surface water quality investigations
- Alien plant mitigation and native plant enhancement
- Coastal resources/natural resources management planning

Government CERCLA Services

- Preliminary Assessment and Site Investigation (PA/SI)
- Remedial Investigation and Feasibility Study (RI/FS)
- Air monitoring, modeling, and visualization
- Engineering Evaluation and Cost Analysis (EECA)

Engineering Services

- *In situ* and *ex situ* soil remediation

- Landfill/golf course environmental monitoring design and implementation
- Spill Prevention Control and Countermeasure (SPCC) Plans
- Risk management plans

Should you encounter a need for any of these services, please contact Environet at (808) 833-2225 and we would be happy to work with you.

